

53735-11

4/10/2013

1/69

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460



United States
Environmental Protection
Agency

Office of Pesticide Programs

APR 10 2013

King Technology Inc.
530 11th Avenue South
Hopkins, MN 55343

AGENT: 1150 18th Street, NW, Suite 1000
Washington, D. C. 20036

Attention: Abigail T. Downs
Regulatory Consultant

Subject: Pool Frog Mineral Reservoir
EPA Registration No. 53735-11
Amendment Dated March 18, 2013

The amendment, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable.

Proposed Amendment

- To update directions for use and add additional optional marketing claims
- To add an additional Brand Name

General Comments

The request for the additional brand name "Flippin' Frog" has been acceptable.

A stamped copy of the "accepted" product labeling is enclosed for your records.

If you have any questions concerning this letter, please contact Martha Terry at (703) 308-6217.

Sincerely

A handwritten signature in black ink that reads "M Swindell".

Marshall Swindell
Product Manager (33)
Regulatory Management Branch 1
Antimicrobials Division (7510P)

Enclosure

5764

[Product Description 1 . Directions for Use for Pool Cartridge

Product Description: The Pool Frog Mineral Reservoir is the heart of an advanced pool care system that destroys bacteria. The patented mineral formula in the Pool Frog Mineral Reservoir also neutralizes acids, which helps keep the pH in an acceptable range with less monitoring. The controlled release of minerals provides an optimum level of protection in your pool. The Frog Mineral {System} {Technology} {Formula}+ reduces chlorine use up to 50%*. Simply use with at least 0.5 ppm of an EPA registered source of chlorine such as the Pool Frog Bac Pac (EPA Reg. No. 53735-2) or a chlorine delivery device. Using the Pool Frog Mineral {System} {Technology} {Formula}+ improves {swimming pool pleasure} {your swimming experience} by reducing the problems associated with chlorine including faded bathing suits, premature damage to pool equipment or surfaces and smelly odors. With the Pool Frog Mineral Reservoir, pool care is easy and effective. Once wetted, the time-released mineral coating of this product is effective up to 6 consecutive months or one pool season whichever is shorter. After that time, even if upon shaking you hear the spent media inside, it is no longer effective and must be replaced. Mark the calendar with stickers provided to replace this product.

Replace the Pool Frog Mineral Reservoir after 6 months.

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Directions For Use with chlorine Bac Pac EPA Reg. No. 53735-2: For use in {in-ground} {above ground} pools up to {15,000} {20,000} {25,000} {30,000} {35,000} {40,000} gallons. For a complete system, use this product inside the {Cycler} {chlorinator} {feeder} along with the chlorine Bac Pac. This product is compatible with pool chemicals except biguanides and bromine. Before inserting the Pool Frog Mineral Reservoir as the pool maintenance product, balance the pH to between 7.2 and 7.8 and total alkalinity between 60-120 ppm and shock the pool with a {chlorine shock per the manufacturer's directions.} {shock pac per its label directions.} Then follow the directions below:

1. Turn circulation pump off, {turn control dial to {Pac Removal}, Setting {0} or {Off} depending on your model and remove cap} {from Cycler} {chlorinator} {feeder}.
2. {Line up slot on the side of the Pool Frog Mineral Reservoir with the fin inside the Cycler and} lower {Pool Frog Mineral Reservoir} into the {Cycler} {chlorinator} {feeder}.
3. If using the chlorine Pac, insert {into the center of this product} according to the directions on its label then replace the cap on the {Cycler} {chlorinator} {feeder} and turn pump back on. {Set the control dial on the {Cycler} {chlorinator} {feeder} per the size and pump run time of your pool according to the chart in the manual.}

Directions for Use with Alternate Source of Chlorine: If using an alternative EPA registered source of chlorine, follow steps 1 and 2 above then replace the {Cycler} {chlorinator} {feeder} cap, {set the control dial to {Maximum}, Setting {10} {5} or {On} depending on your model} and turn pump back on. Maintain recommended chlorine levels of at least 0.5 ppm in the pool.

DO NOT USE ANY OTHER PAC OR BULK CHEMICAL INSIDE THE MINERAL RESERVOIR. DAMAGE TO THE RESERVOIR, POOL OR OTHER EQUIPMENT COULD RESULT.

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in EPA Letter Dated:

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Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
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6/69

[Product Description 2] Directions for Use for Skimmer A [ication]

Product Description: Pool Frog Mineral Reservoir destroys bacteria. The patented mineral formula in the Pool Frog Mineral Reservoir also neutralizes acids, which help keep the pH in an acceptable range with less monitoring. The controlled release of minerals provides optimum protection in the pool. The Frog Mineral {System} {Technology} {Formula}+ reduces chlorine use up to 50%*. Use Pool Frog Mineral Reservoir with at least 0.5 ppm of an EPA registered source of chlorine or a chlorine delivery device. Using the Frog Mineral {System} {Technology} {Formula}+ with reduced chlorine levels improves {swimming pool pleasure} {your swimming experience} by reducing the problems associated with chlorine including faded bathing suits, premature damage to pool equipment or surfaces and smelly odors. With Pool Frog Mineral Reservoir, pool care is easy and effective. Once wetted, the time-released mineral coating of this product is effective up to 6 consecutive months or one pool season whichever is shorter. After that time, even if upon shaking you hear the spent media inside, it is no longer effective and must be replaced.

Replace the Pool Frog Mineral Reservoir after 6 months.

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

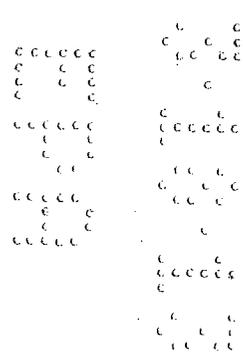
Directions for Use: For in-ground pools up to 25,000 gallons. This product is compatible with pool chemicals except biguanides and bromine. Before using Pool Frog Mineral Reservoir as the pool maintenance product, balance the pH to between 7.2 and 7.8 and total alkalinity between 60-120 ppm and shock the pool with a chlorine shock per the manufacturer's directions. Then follow the directions below:

1. Set reminder dial on Pool Frog Mineral Reservoir to 6 months from date of installation. Turn dial by hand or with a coin if needed.
2. Remove skimmer cover.
3. Remove skimmer basket handle if necessary and {insert} {drop} Pool Frog Mineral Reservoir into the skimmer basket.
4. If using Pool Frog Mineral Reservoir with a suction side automatic cleaner installed through the skimmer, it will be necessary to use a vac plate that may come with the skimmer or automatic cleaner.
5. Once installed, maintain recommended chlorine levels of at least 0.5 ppm in the pool by using an EPA registered source of chlorine approved specifically for swimming pools or a chlorine delivery device.

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53735-11



[Product Description 4] d Directions for Use for Spa Cartridge

8/64

For use in the {In-Line System} {or the} {Floating System}

Product Description: The Pool Frog Mineral Reservoir contains a patented mineral formula that destroys bacteria while neutralizing acids, which helps keep the pH in an acceptable range with less monitoring. Using the Frog Mineral {System} {Technology} {Formula}+ with reduced levels of bromine {or chlorine} improves spa pleasure {by reducing the problems associated with bromine {or chlorine} including faded bathing suits, premature damage to spa equipment or surfaces and smelly odors}.

Replace the Pool Frog Mineral Reservoir after 4 months or when draining and refilling spa with fresh water.

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Directions for Use: For use in spas up to {500} {600} gallons. Use this Pool Frog Mineral Reservoir with the Spa Frog Bromine Cartridge in {either} the {In-Line System} {or} {Floating System}. Ensure all spa equipment is working properly. Operate the pump and filter for at least 3 hours per day. Clean filter following manufacturer's directions. Adjust pH to between 7.2 – {7.6} {7.8}. With a freshly filled spa, establish a bromine or chlorine residual of 1.0-2.0 ppm with {an EPA approved spa shock} {or by other means} {a start-up spa shock packet}. Always maintain a bromine {or chlorine} residual of at least 1.0 ppm. Shock spa once a week or as needed. When using other products as outlined in directions for this product, always follow directions on those products. Keep the spa free of leaves and debris.

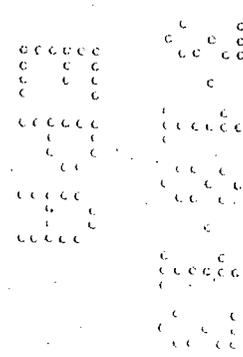
Setting Pool Frog Mineral Reservoir: While holding the bottom of the cartridge, turn the top until the number 6 appears in the setting window. This cartridge may be used in {one of} the following application{s}:

{Using the In-Line System: Open cap of In-Line System. Push down and turn cartridge holder counter-clockwise to unlock. Pull holder out. Snap the Pool Frog Mineral Reservoir into the area marked "Minerals" (top portion) making sure to line up the indentation near the top of the cartridge with the raised line on the holder. For best results insert the SPA FROG Bromine Cartridge (EPA Reg. No. 53735-10) in the area marked "Bromine" (bottom portion). When cartridge is snapped in, replace holder by lining up arrow on handle with arrow on system lip, push down and lock in place. Replace cap.}

{Using the Floating System: Push the Pool Frog Mineral Reservoir into the bottom opening of the floating Spa Frog system. For best results insert the Spa Frog Bromine Cartridge (EPA Reg. No. 53735-10) into the other opening. Set entire system in the spa water.}

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09/64

[Product Description and Directions for Use for Filter Spa Product]

Product Description: Pool Frog Mineral Reservoir contains a patented mineral formula that destroys bacteria while neutralizing acids, which helps keep the pH in an acceptable range with less monitoring. Using the Frog Mineral {System} {Technology} {Formula}+ with reduced levels of bromine {or chlorine} improves spa pleasure {by reducing the problems associated with bromine {or chlorine} including {faded} {fading} bathing suits, premature damage to spa equipment or surfaces and smelly odors}.

Replace Pool Frog Mineral Reservoir after 4 months or when draining and refilling spa with fresh water.

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Directions for Use: For use in spas up to {500} {600} gallons. Ensure all spa equipment is working properly. Operate the pump and filter for at least 3 hours per day. Clean filter following manufacturer's directions. Adjust pH to between 7.2 - {7.6} {7.8}. With a freshly filled spa, establish a bromine or chlorine residual of 1.0-2.0 ppm with {an EPA approved spa shock} {or by other means} {a start-up spa shock packet}. Always maintain a bromine {or chlorine} residual of at least 1.0 ppm. Shock spa once a week or as needed. When using other products as outlined in directions for this product, always follow directions on those products. Keep the spa free of leaves and debris.

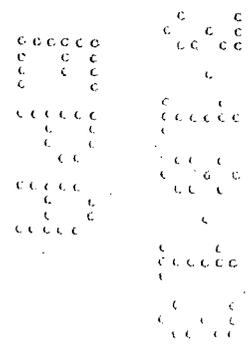
Installing Pool Frog Mineral Reservoir: {Set reminder dial to four months from month of installation. Turn dial by hand or with a coin if needed.} {Mark your calendar with enclosed reminder sticker for the 4 month replacement date.} {Set for 4 months} Place Pool Frog Mineral Reservoir in one of the following locations:

- a. Majority of Spas: insert Pool Frog Mineral Reservoir inside filter cartridge core. Do not allow product to sit too low in the filter. If blocking water flow, install in filter well. If installed inside a standpipe, attach a string to the {handle on top} {Frog head handle} for easy removal.
- b. High Flow Spas: on skimmer filters with 2.5 HP or larger pump motors, place Pool Frog Mineral Reservoir in filter well outside the filter cartridge.
- c. Small Cartridge or Other Spas: place Pool Frog Mineral Reservoir in skimmer tray.

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53735-11



10/64

[Product Description and Directions for Use for Floating Pool Cartridge]

Product Description (For Pool Frog Mineral Reservoir Mineral(s) Cartridge): Pool Frog Mineral Reservoir is {part of a complete pool care system} {mineral sanitizing pool care} {pool care with sanitizing minerals} {sanitizing mineral pool care} {for {pop up} {splasher} {small above ground} {easy set} {quick set} {metal frame} {oval frame} {ultra frame} {frame} {set} pools} that {uses the} {utilizes a} patented mineral formula with {low(er)} {reduced} levels of chlorine to destroy bacteria, help maintain {a neutral} pH {with less monitoring} and restore water clarity. Use with the chlorine {half} {hemisphere} {replacement} {cartridge} {pac} {recharge} and simply {connect,} {turn} {twist} to set {and} {then} {toss into} {plop in} {tether to} the pool. Everything is prefilled and contained {{for} no mess, no guess {and} no stress {pool care}}. {The best part is it flips over when {empty} {out} {time to replace a {chlorine} cartridge.} {Hey! Less Work Hey! Less Chlorine Hey! Less Money}. {Plus minerals reduce chlorine use up to 50% which {helps} prevent{s} faded {bleached} {swim}suits, premature damage to pool equipment or surfaces and smelly odors}.

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Directions For Use: For use in pools {up to {12'} {15'} {16'} {18'} {20} {21} in diameter} {or} {approximately {3000} {4000} {5000} {6000} {8000} {10,000} gallons} {between {1000} {2000} {5000} and {5000} {6000} {10,000} gallons}. {Not recommended for pools under {1000} {2000} {5000} gallons}. {Use one per {5000} {10,000} gallons.} {Check the package to ensure you have the right Pool Frog Mineral {Reservoir} {System} {or} {chlorine recharge} {cartridge} for your size pool.} Ensure all pool equipment is working properly with adequate circulation per the pool manufacturer. Balance the water's pH to between 7.2 and 7.8.

[Assembly Option #1]

{To assemble: Remove the outer packaging {before using {the Pool Frog Mineral {Reservoir} {System} {or} {chlorine recharge} {this cartridge}}. Bring the {gray} {green} {blue} mineral and {blue} {yellow} chlorine {halves} {hemispheres} {cartridges} {pacs} {pieces} {sections} together {with} {arrows} {alignment marks} {tick marks} {icons} {water drops} aligned along the edge of both {halves} {cartridges}} {with the arrow on the chlorine cartridge lined up with the unlock symbol on the mineral cartridge} {(see Figure A)}. Rotate the two {halves} {hemispheres} {cartridges} {pacs} {pieces} {sections} opposite of each other {(see Figure B)} until the {recommended} initial setting for your pool size {appears in the setting window} {is lined up with the {arrow} {alignment mark} {tick mark} {icon} {water drop}.} {see Figure C)} {(see chart in {FROG System} manual)}. {For example, the} most common pool size {of} 15' {diameter}, 4000 gallons {would start on} setting #5.

Once set, place directly in the pool. {With the cord provided} Tether it to the pool {side} or ladder {with {a string} {the cord} {provided} through the {loop} {hole} in the product}. Initially test {the} water {daily} {for chlorine} {using} {with} FROG {Brand} Test Strips {or a recognized swimming pool test kit or testing device}. Adjust the system up or down by one setting per day until the ideal free available chlorine (FAC) range of 0.5 to 1.0 ppm is maintained. {You may remove} product from pool when in use}}

[Assembly Option #2]

{To assemble: Remove outer packaging

- Align arrows on {gray} {green} {blue} mineral and {blue} {yellow} chlorine cartridges (see Figure A {below})
- Push together and rotate to connect (see Figure B {below})
- Find setting from initial setting chart (see Figure C {below})
- Lock in setting and place in pool
- Attach cord and tether to pool or ladder
- Maintain 0.5 to 1.0 ppm free chlorine level
- Initially test water with Frog Test Strips daily
- Adjust setting if needed one number per day
- {Product may be removed when pool is in use} {Remove product when pool is in use}}

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12/64

When the {complete Frog System} {Pool Frog Mineral Reservoir} {flips} {rolls} over the chlorine {half} {cartridge} is empty and must be replaced. To remove, {rotate the two {halves} {hemispheres} {cartridges} {pacs} {pieces} {sections} until the {arrows} {alignment marks} {tick marks} {icons} {water drops} align along the edge of both {halves} {cartridges} and pull apart }. If the Pool Frog Mineral Reservoir has not been used for 6 months or one pool season whichever is shorter, simply attach a new chlorine {brand} {half} {hemisphere} {replacement} {cartridge} {pac} {recharge} and set the complete system back in the water. Do not allow chlorine cartridge to sink to the bottom or pool bleaching may occur.

If the chlorine {brand} {half} {hemisphere} {replacement} {cartridge} {pac} {recharge} still contains a small amount of chlorine after the system has {flipped} {rolled} over, place in pool until completely empty. {Once the Pool Frog Mineral Reservoir has been used for 6 months or one pool season whichever is shorter, the minerals are no longer active. Replace the entire Pool Frog Mineral {System} {Reservoir} and discard the mineral {half} {hemisphere} {cartridge} {pac} {piece} {section} in the trash.}

[The following copy may be engraved on the Floating Pool Cartridge plastic container]

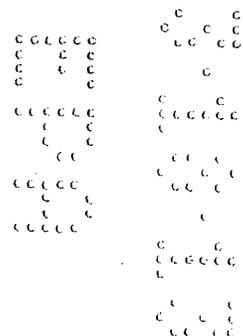
Not A Toy
Keep Out of Reach of Children
CAUTION
EPA Reg. No.: 53735-11kingtechnology.com
U.S. & Foreign patents pending

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12/64

[Product Description and Directions for Use for Cartridge for Bulk Chlorinator]

Product Description: Pool Frog Mineral Reservoir is part of a complete pool care system that works inside an {Hayward®} {Rainbow®} chlorinator utilizing a patented mineral formula with low levels of chlorine to destroy bacteria, help maintain pH and restore water clarity. The Frog Mineral {System} {Technology} {Formula}+ reduces chlorine use up to 50%*. Simply use with the Chlorine Pac (EPA Reg. No. 53735-2) by {attaching} {connecting} {latching} the two pacs together and inserting in the center of a {Hayward®} {Rainbow®} {or equivalent} chlorinator. Using the Pool Frog Mineral {System} {Technology} {Formula}+ improves {swimming pool pleasure} {your swimming experience} by reducing the problems associated with chlorine including faded bathing suits, premature damage to pool equipment or surfaces and smelly odors.

Replace the Pool Frog Mineral Reservoir after 6 months.

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Directions For Use: For use inside {Hayward®} chlorinator models CL200 and CL220} {Rainbow®} chlorinator models 300 and 320} {or equivalent chlorinators} for pools up to {10,000} {15,000} {20,000} {25,000} {30,000} {35,000} {40,000} gallons. Pool Frog Mineral Reservoir must be used with the Chlorine Pac. Before using, balance the pH to between 7.2 and 7.8 and total alkalinity between 60-120 ppm and shock the pool with a {chlorine shock per the manufacturer's directions.} {shock pac per its label directions.} Make sure the chlorinator is completely empty of chemical. Never mix chemicals. If used previously with a chemical other than Trichlor, clean inside of chlorinator thoroughly. Then follow the directions below:

1. {Remove {tape} {foil} covering the water holes on the bottom and {side of}} {Remove plug from side of} the chlorine pac.
2. Connect the Pool Frog Mineral Reservoir to the Chlorine Pac by bringing the two pieces together, lining up the arrows and turning the chlorine pac clockwise until locked in place.
3. Turn circulation pump off, turn the {Hayward®} {Rainbow®} chlorinator dial to off and remove its cap.
4. {Lift} {Use} handle {and} {to} insert the complete system into the {Hayward®} {Rainbow®} chlorinator by lining up the short square channel on the Pool Frog Mineral Reservoir with the dial side of the chlorinator. Lower until seated. The cap will not close properly if the product is not seated correctly. Lift up and reinsert until seated properly.
5. Replace the cap on the {Hayward®} {Rainbow®} chlorinator and turn pump back on. Set the control dial according to the chart in the manual. When using the Pool Frog Mineral Reservoir maintain a free available chlorine (FAC) level of 0.5 ppm to 1.0 ppm. Adjust the chlorinator dial to increase or decrease chlorine output.
6. {If using Algaecide Pac. Before attaching the Chlorine Pac (step 2) {push} {screw} {affix} {insert} algaecide {pac} {container} {bottle} {on} {in} to the {chlorinator} {adapter that attaches to the} {Pool Frog Mineral Reservoir} {while inside the chlorinator} {they insert into chlorinator}. Replace cap, turn dial full open and run for 90 minutes. Remove algaecide bottle and discard or recycle.}

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53735-11

14/64

[Operational Instruction 1 for Pool Cartridge]

[All text is optional]

**POOL FROG Mineral Reservoir:
Patented Mineral Pool {Sanitizer} {Disinfectant}**

Operational Instructions

**REPLACE {Mineral Reservoir} EVERY 6 MONTHS OR
AFTER ONE POOL SEASON WHICHEVER IS SHORTER.**

Swimming Pool Tips

1. Make sure the pool has adequate circulation. The pool water must completely circulate through the pump and filter at least 1 to 2 times per day. This usually requires 8 to 12 hours. Check with your dealer for the proper circulation time for your pool.
2. Before beginning with any pool care program, you must first balance your pool water. Take a water sample to your local pool professional {or use a complete test kit} that will test for the following important elements.

Water Balance Guidelines	
pH:	7.2-7.8
Total Alkalinity:	60-120 ppm
Calcium Hardness:	150-400
Total Dissolved Solids:	<1500
Stabilizer:	20-80 ppm
Free Chlorine:	0.5-1.0 ppm

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53735-11

3. If your fill water is high in metals, use a sequestering agent or metal out product at start up only before using the mineral reservoir. See your local dealer for details on using these products and always follow manufacturer's directions carefully.
4. After your pool is up and running smoothly, continue to test your water for pH, total alkalinity and chlorine {with FROG Brand Test Strips} and maintain its balance by adding any necessary adjustment products (see you dealer for details).
5. Check the pool's filter gauge often and periodically clean filter per the manufacturer's directions. A dirty filter will slow the flow of water which could hamper proper circulation.

{How to replace the Pool Frog components}

**{Replacing} {Using} a POOL FROG Mineral Reservoir, {FROG BAM} and {Bac Pac} or
{Chlorine Pac}**

1. {Check the {top} {front} of the box {and {back} label of product to} make sure you have the correct POOL FROG Mineral Reservoir to fit your {POOL FROG Cycler} {chlorinator} {feeder}. The colored barcode will indicate {if it fits in ground versus above ground.} {how many gallons it will handle.} {Above Ground Series XXXX or In Ground Series XXXX for use with Cycler Models XXXX and XXXX.} {The POOL FROG Mineral Reservoir fits in the

{FROG Leap Infuzer Model XXXX} {and the} {POOL FROG Cyclers Models XXXX and or XXXX.}

15/64

THE POOL FROG MINERAL RESERVOIR MUST BE REPLACED EVERY 6 MONTHS OR AFTER ONE POOL SEASON WHICHEVER IS SHORTER.

2. {{Once you have determined you have the right mineral reservoir,} open the box and remove the POOL FROG MINERAL RESERVOIR.}

IMPORTANT: Remove and read the inserted information card.

{CAUTION read carefully –

USE ONLY the factory recommended replacement POOL FROG Mineral Reservoir, {algaecide pac} {shock pac} {algaecide and shock pacs} {FROG BAM} and Bac Pac. DO NOT USE any other pac or bulk chemical tablets in the cyclers {or put anything inside other than the appropriate {Frog Leap} or {Pool Frog} product as directed in the product instructions}. Use of any other product could result in damage to pool equipment or surface, unsafe pool conditions, fire or explosion. Warranty will be void if the correct POOL FROG Mineral Reservoir, {algaecide pac} {shock pac} {algaecide and shock pacs} {FROG BAM} and Bac Pac are not used.}

3. Turn off pump {and turn dial to {Pac Removal}, Setting {0} or {Off} depending on the model.} {turn dial to lowest setting.}
4. Open cap, if using {bac pac} {chlorine pac} stand back to avoid inhaling chlorine fumes.
5. {Find slot on side of POOL FROG Mineral Reservoir and line up with fin inside the cyclers.} {Pull up on Bac Pac to {remove} {disconnect} old Reservoir and discard in trash.} {Insert Bac Pac inside new reservoir.} {Push together until parts connect.} Lower {POOL FROG Mineral Reservoir} into {cyclers} {chlorinator} {feeder} until secure.

Slot in Pool Frog Mineral Reservoir
Fin inside {cyclers} {chlorinator} {feeder}

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{{Replacing} {USING} FROG BAM {FOR AN ALGAE-PROTECTION GUARANTEE
(If you are not using FROG BAM proceed to Step 12.))

Under the Federal Insecticide,
Fungicide and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No.

For a preventative dose, add one FROG BAM for pools up to 15,000 gallons or two FROG BAM for pools between 15,000 and 30,000 gallons.

53735-11

See FROG BAM product labeling for complete directions for use (EPA Reg. No. 53735-9).

1. Remove cap from FROG BAM without removing seal. {NOTE: Wait 24 hours after shocking before using FROG BAM. Avoid adding other chemicals until this product has been circulated (filtered) for at least 24 hours.} If Bac Pac is currently being used inside the mineral reservoir, remove and set aside.
2. {Insert upside down into center of POOL FROG Mineral Reservoir} {Insert FROG BAM into center of reservoir {pushing together until parts connect} and lower into {cyclers} {chlorinator} {feeder} pushing down firmly on key to puncture seal.
3. Replace cap by hand only. DO NOT OVER TIGHTEN. {Turn control dial {on cyclers} to {Maximum}, Setting {10} {5} or {On} depending on the model.} {highest setting.}
4. Turn pump on for 90 minutes allowing FROG BAM to circulate through pool.

16/64

5. To remove FROG BAM, turn pump off, turn dial to {Pac Removal} setting {0} or {Off} depending on the model, {lowest setting} remove {cyclor} cap.
6. Lift FROG BAM up and allow any water in the container to drain through the {cyclor} {chlorinator} {feeder}, {remove} {disconnect} from Reservoir before recycling or discarding in trash.

NOTE: If water shows more than a hint of blue inside cyclor, replace the {cyclor} {chlorinator} {feeder} cap, {turn dial to {Maximum}, Setting {10} {5} or {On} {highest setting}} and run the pump for one minute.

- 11a. If pool size requires additional FROG BAM, repeat steps x-x.
- 11b. When water is clear in {cyclor} {chlorinator} {feeder}, proceed to step x. {install Bac Pac}

{Replacing} {USING} THE {BAC PAC} {Chlorine Pac} (Non-Chlorine Shock Pac) {Chlorine Shock Pac}

{Pool Frog Bac Pac for use in the in ground and above ground systems}
 {Pool Frog Pac 540C for use in the XL Pro Chlorine Cyclor}
 {Pool Frog Pac 610C for use in the dual {25K} {System} chlorine cyclor {Pool Frog Twin}}
 {Non-Chlorine Shock Pac is a one-time start-up product used to rid the water of contaminants. Chlorine Shock Pac also used at start up, sets the chlorine residual to help find the proper dial setting from maintaining up to 50%* less chlorine while using the chlorine Bac Pacs (EPA Reg. No.: 53735-2). All products sold separately.}

1. {Bac Pac} {Chlorine pacs} are recommended to assure up to 50%* reduction in chlorine use. *Pacs sold separately. (EPA Reg. No. 53735-2)*

**Compared to the minimum EPA recommended chlorine level of 1.0 ppm for a stabilized swimming pool.*

Avoid sparks, open flame or smoking when handling the {non-chlorine shock pac, chlorine shock pac or} bac pac.

2. Open Pac
 - 2a. Pool Frog Bac Pac
 {To} {For Bac Pac.} remove colored tabs {by grabbing} {grab} on to the lip of one cap {with a pliers} and {pulling} {pull} up until cap releases. Repeat the process for the other cap.

2b. Pool Frog Pac 540C and 610C
 For 540C and 610C pacs, find the indent in the plastic handle and cut using a 2" PVC cutter or hacksaw. Either way, make sure the blade comes straight across on the indent line for a clean cut. If openings are pinched together, open with fingers or re-cut closer to the colored screens inside the Pool Frog Pac. Leave at least 1/4" of plastic to fit into the Pool Frog Cyclor.

Avoid pinched opening
 A correct oval opening

3. {Turn {bac} pac over} {invert pac} and shake slightly until {chlorine tablets} {ingredients} fall into tower areas.
 Bac Pac Towers
 540C Pac Towers
 610C Pac Towers

4. Insert Pac into Cyclor
 - 4a. Pool Frog Bac Pac.

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 53735-11

12/64

{For Bac Pac,} {line up () small leg with small opening in the P() - FROG Mineral Reservoir and large leg with the large opening.} {Insert into center of reservoir.} {Push together until snapped in place.} Lower {pac} into {cyclier} {chlorinator} {feeder} {POOL FROG Mineral Reservoir} until secure.

4b. Pool Frog Pac 540C and 610C .

For 540C or 610C line up the openings in the pacs with the keys in the Pool Frog Chlorine Cyclier. Note; Openings are a different shape than keys. Lower pac until secure.
Opening in Pool Frog Pac
Key in Pool Frog Cyclier
Pool Frog Mineral Cyclier
Pool Frog Chlorine Cyclier

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5. Replace cap by hand only. DO NOT OVER TIGHTEN.

6. Run the pump and filter for each pac according to the directions on the product label for the pesticide. Remove from the {cyclier} {chlorinator} {feeder} when empty and discard or offer for recycling..

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product label for the pesticide,
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53735-11

The {chlorine} pacs are made if HDPE plastic. Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. Rinse thoroughly before recycling or discarding in trash.

Mark your calendar for the six month replacement of the POOL FROG Mineral Reservoir, {90-day replacement of FROG BAM} and approximate replacement times for the {Bac Pac} {Pool Frog Pacs}. Once wetted, the time released mineral coating of this product is effective up to 6 consecutive months or one pool season whichever is shorter. After that time, even if you hear the spent media inside, it is no longer effective and must be replaced.

Start-up and Operation

Pool Frog Mineral Reservoir {now with Start-up Water Polishers for easier start up.}

1. Add a stabilizer or conditioner to the pool at the beginning of the season if the stabilizer level is below 20 ppm. This will prevent chlorine burn off. Follow manufacturer's directions carefully.
2. {Shock the pool with {an EPA registered chlorine shock} {a shock pac} to rid the water of all contaminants before beginning. Follow manufacturer's directions carefully.}

{If using standard chlorine shock} Do not add shock in or near the skimmer or into the {cyclier} {chlorinator} {feeder} as it could damage equipment, risk potential explosion or discolor your pool surface.

THIS STEP IS VERY IMPORTANT TO START-UP. USE CHLORINE SHOCK ONLY.

3. {Insert an algaecide pac to complete the start-up process. (See pg x for directions.)}
4. Install POOL FROG Mineral Reservoir into the {cyclier} {chlorinator} {feeder}. (See page x for directions.)

REPLACE THE POOL FROG MINERAL RESERVOIR EVERY 6 MONTHS OR AFTER ONE POOL SEASON WHICHEVER IS SHORTER.

5. Replace cap and run {cyclier} {chlorinator} {feeder}, with POOL FROG Mineral Reservoir inserted, for 10 minutes {on setting {Maximum}, Setting {10} {5} or {On} depending on the model} {highest setting}.

18/69

6. {Shock the pool with {potassium monopersulfate} {non-chlorine shock pac} to rid the water of all contaminants. (See page x for directions.)}
7. {Create a chlorine residual with {an EPA registered chlorine shock} {a chlorine shock pac} {See page x for directions.} This step is very important {to start-up.} Always begin with chlorine in the pool water.}
8. {Test the water before adding FROG BAM} {For a 90 day algae protection guarantee {When the pH is between 7.2-7.8 and the chlorine level is no more than 4.0 ppm,} Insert FROG BAM into POOL FROG Mineral Reservoir {in cyclor} {chlorinator} {feeder}. (See page x for directions.)}
9. When chlorine reading is down to 1.0 ppm, which may take a few days, insert chlorine {bac} pac. (See {left column} {page x} for directions.)

{FOR IN GROUND MODELS}

For In Ground models, cap removal is easier if using the tool included with the cyclor. To loosen cap, hit the handle with the flat of your hand counter clockwise.
DO NOT USE CAP TOOL TO TIGHTEN CAP.

Start-up and Operation

{This system is designed to work effectively with a variety of pool equipment as long as the following basic procedures are followed.}

10. **SETTING CONTROL DIAL.** Set control dial by matching up the parameters of your pool on the charts below. **THIS IS A STARTING POINT ONLY** and may need to be adjusted to fit your individual pool needs. See # {x} for directions.

Above Ground POOL SIZE		8 HOUR PUMP RUN TIME				12 HOUR PUMP RUN TIME				24 HOUR PUMP RUN TIME			
		PUMP SIZE				PUMP SIZE				PUMP SIZE			
Gallons	Diameter	1/2 hp	3/4 hp	1 hp	1 1/2 hp	1/2 hp	3/4 hp	1 hp	1 1/2 hp	1/2 hp	3/4 hp	1 hp	1 1/2 hp
7,000	(18")	5.0	4.5	4.0	3.5	4.5	4.0	3.0	5.0*	3.5	3.0	2.5	4.0*
9,000	(21")	5.5	5.0	4.5	4.0	5.0	4.5	4.0	5.5*	4.0	3.5	3.0	4.5*
12,000	(24")	6.0	5.5	5.0	4.5	5.5	5.0	4.5	4.0	4.5	4.0	3.5	5.0*
15,000		NR	6.0	5.5	5.0	6.0	5.5	5.0	4.5	5.0	4.5	4.0	3.5
20,000		NR	NR	6.0	5.5	NR	6.0	5.5	5.0	5.5	5.0	4.5	4.0

SINGLE-SPEED PUMP OR HIGH-SPEED PUMP RUN TIME

In Ground POOL SIZE		6 HOUR PUMP RUN TIME				12 HOUR PUMP RUN TIME				24 HOUR PUMP RUN TIME			
		PUMP SIZE				PUMP SIZE				PUMP SIZE			
Gallons		3/4 hp	1 hp	1 1/2 hp	2 hp	3/4 hp	1 hp	1 1/2 hp	2 hp	3/4 hp	1 hp	1 1/2 hp	2 hp
7,000		4.0	3.5	3.0	3.0*	3.0	2.5	4.0*	3.5*	1.5	3.5*	3.0*	2.5*
9,000		4.5	4.0	3.5	3.0	3.5	3.0	2.5	4.0*	2.5	4.0*	3.5*	3.0*
12,000		5.0	4.5	4.0	3.5	4.0	3.5	3.0	2.5	3.0	2.5	1.5	3.5*
18,000		NR	5.0	4.5	4.0	5.0	4.0	3.5	3.0	3.5	3.0	2.5	2.0
25,000		NR	NR	5.0	4.0	NR	5.0	4.0	3.5	4.0	3.5	3.0	2.5
30,000		NR	NR	6.0	5.0	NR	5.5	5.0	4.0	4.5	4.0	3.5	3.0
35,000		NR	NR	7.0	6.0	NR	6.5	5.5	5.0	5.5	4.5	4.0	3.5
40,000		NR	NR	NR	7.0	NR	NR	6.5	5.5	6.5	5.5	4.5	4.0

* - Bypass installation recommended.
 NR - This pump size is not recommended for this size pool.

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{IMPORTANT: Pump run times of at least 6 hours at high speed are recommended for proper performance. If running low speed only or on high speed less than 6 hours, please follow the 24 Hour Low Speed directions below:

24 HOUR, LOW SPEED PUMP RUN TIME

In order to ensure proper performance when running on low speed for 24 hours or high speed less than 6 hours, bleed the air while the pump is on by unscrewing the cap knob until water appears. Then screw the knob back on. Repeat this process each time the cap is removed for any reason.

Set the control dial at #6 and follow the adjustment directions in Step x to determine the correct setting for your pool.

19/64

11. For the first week test the pool water daily for free chlorine {with Frog Brand Test Strips} to ensure correct dial setting. Continue to test weekly throughout the season. After testing, adjust the dial up by ½ increment if the free chlorine reading has dropped below 0.5 ppm or down by ½ increment if the reading has risen above 1.0 ppm. Continue this process each day until the {reading stabilizes to at least 0.5 ppm.} {color on the test strip matches the ideal Frog range of 0.5 ppm to 1.0 ppm chlorine.} Remember to adjust dial by ½ increments only, in order to prevent over chlorination which may bleach pool surfaces.
12. Shock pool every two weeks or as needed to maintain water quality. Follow label directions on the chlorine shock treatment used.
13. {Before closing the pool for winter, use the {algaecide pac} {shock pac} {algaecide and shock pacs} following the {directions on the pac label} {same directions as pool start up on page x.}}

If using another means of chlorine

Follow steps 1-5 on Start-up and Operation and then continue below.

6. {Maintain setting of {Maximum}, Setting {10} {5} or {On} depending on the model} {highest setting} {Set wide open.} No adjustments needed.
7. Maintain a minimum chlorine reading of 0.5 ppm with a chlorine delivery device or hand feeding.
8. Shock pool every two weeks or as needed to maintain water quality. Follow label directions on the chlorine shock treatment used.

For an easy two-step pool closing program, use Shock Pac and Frog Bam following directions above.

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20/64

[Operational Instruction 2 for Skimmer Application]
[All text is optional]

POOL FROG MINERAL RESERVOIR

Patented Mineral Pool {Sanitizer} {Disinfectant} Instruction Manual

ELIMINATES DAILY DOSING FOR LESS WORK

SPARKLING WATER FOR IN GROUND POOLS

Specifications

For in ground pools ONLY.

Lasts 6 months once product is wetted.

Easy to set reminder dial for product replacement.

Reduces chlorine use up to 50%*

(With chlorinator or floater turn setting down or use fewer tablets.)

Pool Start Up

1. Balance water according to the chart.

Water Balance Guidelines

pH:	7.2-7.8
Total Alkalinity:	60-120 ppm
Calcium Hardness:	150-400
Total Dissolved Solids:	<1500
Stabilizer:	20-80 ppm
Free Chlorine:	0.5-1.0 ppm

2. Shock pool to remove all contaminants. (Follow manufacturer's directions.)

**Compared to the minimum EPA recommended chlorine level of 1.0 ppm for stabilized swimming pool.*

Thank you for purchasing the Pool Frog Mineral Reservoir. With mineral pool care, your water will feel softer, shine brighter while reducing chemicals and overall pool maintenance.

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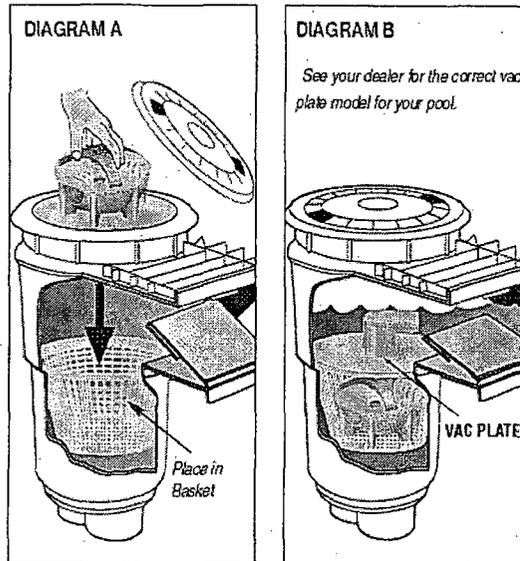
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53735-11

Installing a Pool Frog Mineral Reservoir

1. Set reminder dial on the Pool Frog Mineral Reservoir to 6 months from date of installation. Turn dial by hand or with a coin if needed.
2. Remove skimmer cover and skimmer basket handle if applicable. Insert the Pool Frog Mineral Reservoir into skimmer basket. **DIAGRAM A**
3. If using the Pool Frog Mineral Reservoir with a suction side automatic cleaner installed through the skimmer, it will be necessary to use a vac plate that may come with the skimmer or automatic cleaner. **DIAGRAM B**



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Regular Pool Care

1. Run pump and filter at least 8 hours per day.
2. Regularly test water for pH, total alkalinity and chlorine levels.
3. Maintain at least 0.5 ppm chlorine level at all times. A chlorinator or floater is recommended. If using chlorine pucks in the skimmer basket, place them under the Pool Frog Mineral Reservoir.
4. Shock pool every two weeks or as needed to maintain water quality. Follow label directions on the chlorine shock treatment used.
5. Check filter gauge regularly and clean or back-wash when needed per the manufacturer's directions.
6. Periodically clean skimmer basket of excess debris as normal.
7. REMEMBER TO REPLACE THE POOL FROG MINERAL RESERVOIR EVERY 6 MONTHS OR AFTER ONE POOL SEASON WHICHEVER IS SHORTER.

22/6f

[Operational Instruction 3 for Pool Cartridge used in Loading System] [All text is optional]

POOL FROG Mineral Reservoir OPERATING INSTRUCTIONS

Congratulations for purchasing {the Frog Splash System}– the complete mineral and chlorine disinfecting system. When using the patented Pool Frog Mineral Reservoir with the proprietary Pool Frog Chlorine Cartridge you'll enjoy your pool more with less work and less chlorine.

Less work because:

- The Frog Mineral {System} {Technology} {Formula}+ continuously works to destroy bacteria for six {full} months.
- Cartridges last longer to eliminate daily maintenance.
- Cartridges are pre-filled for no measuring and no mess.
- Simply adjust to your setting and relax for weeks.

Less chlorine because:

- With minerals in the water, chlorine use is cut up to 50%*
- With minerals and low levels of chlorine, the water feels softer.
- The system reduces odors and leaves the water crystal clear.

You're going to love your {Frog Splash} System. If you have any questions, contact our customer service representatives at 800-222-0169.

* Compared to the minimum EPA recommended chlorine level of 1.0 ppm for a stabilized swimming pool.

Pool Start Up

- Clean and replace filter cartridges when dirty (follow manufacturer's instructions)
- Balance water according to the chart

Water Balance Guidelines	
pH:	7.2-7.8
Total Alkalinity:	60-120 ppm
Calcium Hardness:	150-400
Total Dissolved Solids:	<1500
Stabilizer:	20-80 ppm
Free Chlorine:	0.5-1.0 ppm

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NOTE: Chlorine levels are lower only when used with Frog minerals

- Very Important: Before using cartridges, establish an initial chlorine residual of 1.0 ppm with a chlorine shock. DO NOT use a non-chlorine shock. Use {the appropriate chlorine test strips or kit and follow manufacturer's instructions.} {Frog Brand Test Strips to accurately maintain the reduced 0.5 to 1.0 ppm chlorine level following the label directions carefully.}
- Begin regular pool care procedures (see back page) as soon as start up is complete.

23/64

Setting Cartridges

- Set the mineral cartridge to wide open on #6 by holding the bottom and turning the top until the number 6 appears in the setting window. No further adjustments are necessary.
- Set the chlorine cartridge to an appropriate starting setting depending on pool size {by holding the bottom and turning the top of the cartridge until the desired number appears in the setting window}. {For pools 1000 gallons or less begin on setting 1 or 2.} {For larger pools {up to 4000 gallons} begin on setting 3.} {For pools up to 9000 gallons, begin on setting 5.} Initially monitor chlorine levels daily until at least 0.5 ppm is maintained. Adjusting to a higher setting will increase chlorine output while a lower setting will decrease it. NOTE: if the setting is too high, bleaching of pool liners may occur in smaller pools.

Using the {Frog Splash} System

- Insert both cartridges into the floating holder by pushing them into the openings until they stay in place.
- Let the system free float in the pool.
- When using the pool, simply remove the system, drain most of the water into the pool and set it outside the pool inverted so all excess water drains into the holder.
- REMEMBER TO REPLACE IT IN WATER WHEN FINISHED USING POOL!

Replacing Cartridges

- The Pool Frog Mineral Reservoir must be replaced every 6 months or once a pool season whichever is shorter. At that time discard Pool Frog Mineral Reservoir in trash even if, upon shaking, it appears there is spent media left inside. Once wetted the time released minerals in the cartridge are effective up to six months. Do not attempt to reuse the product once removed from the pool. {For ease in remembering to replace, mark your calendar with the reminder stickers provided with the product.}
- Replace the Pool Frog Chlorine Cartridge when empty. Drain water in cartridge to ensure it is empty then discard in trash. The cartridge life will vary depending on pool size and number of users. {Once your usage is determined, mark the calendar with enclosed reminder stickers.}

Regular Pool Care

- Run filtration system as recommended by your spa manufacturer.
- Regularly test water for pH, total alkalinity and {chlorine} {bromine} levels {with the precise Frog Brand Test Strips.}
- Maintain at least 0.5 ppm chlorine level at all times.
- Shock the pool once a week or as needed.
- Additional shocking may be required if pool is under heavy use. This is often the case when the pool is new.
- Remember to replace Pool Frog Mineral Reservoir and Pool Frog Chlorine Cartridge as directed under "Replacing Cartridges."

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53735-11

28/68

[Operational Instructions 4 for Spa Cartridge used in Floating System]
[All text is optional]

Floating System Operation Instructions

Congratulations! Your spa came with a complete mineral and bromine {or chlorine} {sanitation} {disinfecting} {disinfection} system. When using the patented Pool Frog Mineral Reservoir with the proprietary Spa Frog Bromine Cartridge, you'll enjoy your spa more with less work and less bromine {or chlorine}.

Less Work Because:

- The Frog Mineral {System} {Technology} {Formula}+ continuously works to control bacteria for four full months.
- Cartridges last longer to eliminate daily maintenance.
- Cartridges are pre-filled for no measuring or mess.
- Simply adjust to your settings and relax for weeks.

Less Bromine {or Chlorine} Because:

- With minerals in the water, bromine {or chlorine} use is cut by up to 50% under the Federal Insecticide, Fungicide, and Rodenticide Act as amended for the pesticide, under EPA Reg. No. 53735-11
- Bromine {Chlorine} lasts longer: 2-4 weeks on a 350 gallon spa with average use.
- With minerals and low levels of bromine {or chlorine}, the water feels softer.
- The system reduces odors and leaves the water crystal clear.
- Frog Mineral System) {Technology} {Formula}+ works with bromine.

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You're going to love your Frog System. If you have any questions, contact our customer service representatives at **800-222-0169**.

* Compared to the minimum ANSI recommended bromine {or chlorine} level of 2.0 ppm for a spa.

Spa Start Up

- Always drain and refill spa at least every 4 months.
- Clean and replace filter cartridges when dirty (*Follow manufacturer's instructions*).
- Balance water according to the chart.

NOTE: Bromine {or chlorine} levels are lower only when used with Frog minerals

Water Balance Guidelines	
pH:	7.2 - {7.6} {7.8}
Total Alkalinity:	80 - 180 ppm
Calcium Hardness:	150-400
Total Dissolved Solids:	<1500
*Free Bromine {or Chlorine}:	1.0 - 2.0 ppm

- Heat water to recommended temperature before using cartridges.
- **Very Important!** Before using cartridges, establish an initial residual of 1.0-2.0 ppm bromine or chlorine with {either granular Brominating Concentrate™ (which typically contains 85% sodium dichlor (chlorine) and 15% sodium bromide) OR a chlorine shock} {a chlorine shock or sodium bromide product}. {For best results use a start-up spa shock packet that quickly dissolves with an effervescent fizzing action – one packet per 500 gallons.} {Do not use a non-chlorine shock.} Use {the appropriate bromine or chlorine test strips or kit and follow manufacturer's instructions.} {Frog Brand Test Strips to accurately maintain the reduced 1.0 to 2.0 ppm bromine level following the label directions carefully.}

Brominating Concentrate™ is a registered trademark of Bio-Lab, a Chemtura Company.

- Begin regular spa care procedures (see back page) as soon as start up is complete.

25/64

Setting Cartridges

- Set the blue mineral cartridge to wide open on #6 by holding the bottom and turning the top until the number 6 appears in the setting window. No further adjustments are necessary.
- With a freshly filled spa, initially set the yellow bromine cartridge on #5 for the first 24 hours **ONLY**. Then the first week or so, before each use, test the water {with Frog Brand Test Strips} and adjust cartridge by 1 setting per day until the {bromine stabilizes to at least 1.0 ppm.} {color on the test strip matches the ideal {Frog} bromine range of 1.0 to 2.0 ppm.}

Using the Floating System

- Insert both cartridges into the green floating holder by pushing them into the openings until they stay in place.
- Let the Floating System free-float in the spa.
- When using the spa, simply remove the Pool Frog Mineral Reservoir, drain most of the water into the spa and set on the side of the spa inverted so all excess water drains into the holder.
- REMEMBER TO REPLACE IT IN THE WATER WHEN FINISHED USING SPA!

Replacing Cartridges

- The Pool Frog Mineral Reservoir must be replaced every 4 months. After four months of use, or when draining and refilling the spa with fresh water, discard Pool Frog Mineral Reservoir in trash even if, upon shaking, it appears there is spent media left inside. Once wetted the time released minerals in the cartridge are effective up to four months. Do not attempt to reuse the product once removed from the spa. For ease in remembering to replace, mark your calendar with the reminder stickers provided with product.
- Replace the bromine cartridge when empty. Drain water to ensure cartridge is empty then discard in trash {or offer for recycling}. The cartridge life will vary depending on spa size and number of users. Once your usage is determined, mark the calendar with enclosed reminder stickers.

Regular Spa Care

- Run filtration system as recommended by your spa manufacturer.
- Regularly test water for pH, total alkalinity and bromine levels {with the precise Frog Brand Test Strips.}
- Maintain at least 1.0 ppm bromine level at all times.
- Shock the spa once a week or as needed.
- Additional shocking may be required if the spa is under heavy use. This is often the case when the spa is new.
- Remember to replace Pool Frog Mineral Reservoir and Spa Frog Bromine Cartridge as directed under "Replacing Cartridges".

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20/64

In-Line System Operating Instructions

Congratulations!

Your spa came with a complete mineral and bromine {or chlorine} {sanitation} {disinfecting} {disinfection} system. When using the patented Pool Frog Mineral Reservoir with the proprietary Spa Frog Bromine Cartridge, you'll enjoy your spa more with less work and less bromine {or chlorine}.

Less Work Because:

- The Frog Mineral {System} {Technology} {Formula}+ continuously works to control bacteria for four full months.
- Cartridges last longer to eliminate daily maintenance.
- Cartridges are pre-filled for no measuring or mess.
- Simply adjust to your setting and relax for weeks.

Less Bromine {or Chlorine} Because:

- With minerals in the water, bromine {or chlorine} use is cut by up to 50%.*
- Bromine {Chlorine} last longer: 2-4 weeks on a 350 gallon spa with average use.
- With minerals and low levels of bromine {or chlorine}, the water feels softer.
- The system reduces odors and leaves the water crystal clear.
- Frog Mineral {System} {Technology} {Formula}+ works with bromine.

You're going to love your FROG System. If you have any questions, contact our customer service representatives at **800-222-0169**.

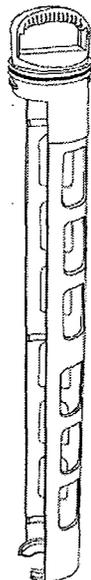
* Compared to the minimum ANSI recommended bromine {or chlorine} level of 2.0 ppm for a spa.

Let Us Dissect This Frog For You: The complete In-Line System

The In-Line System is made up of (A) a Frog cap that is easily distinguishable among the fittings on the top {rim} {edge} of the spa, (B) a cartridge holder that pulls out of the system, (C) a mineral cartridge that helps control bacteria in the water and (D) a bromine cartridge that helps support the minerals while oxidizing contaminants like body oils. The cartridges are adjustable to meet your specific spa water care needs.



A. Frog Cap



B. Cartridge Holder



C. Mineral Cartridge



D. Bromine Cartridge

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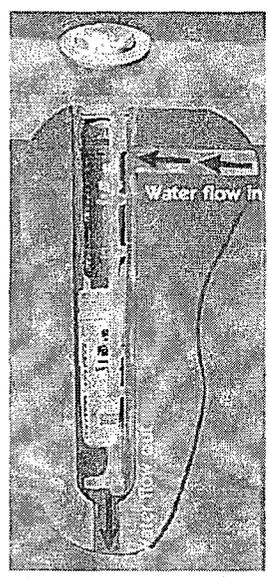
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53735-11

27/69

Cut-away view of cartridges snapped into holder and placed into the In-Line System.



Start Up - Follow all directions from your spa manufacturer on filling and balancing the water in your spa. Standard guidelines for balancing the water are as follows:

Water Balance Guidelines	
pH:	7.2-{7.6} {7.8}
Total Alkalinity:	80-180 ppm
Calcium Hardness:	150-400
Total Dissolved Solids:	<1500
*Free Bromine {or Chlorine}:	1.0-2.0 ppm

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*NOTE: Bromine {or chlorine} levels are lower only when used with Frog minerals

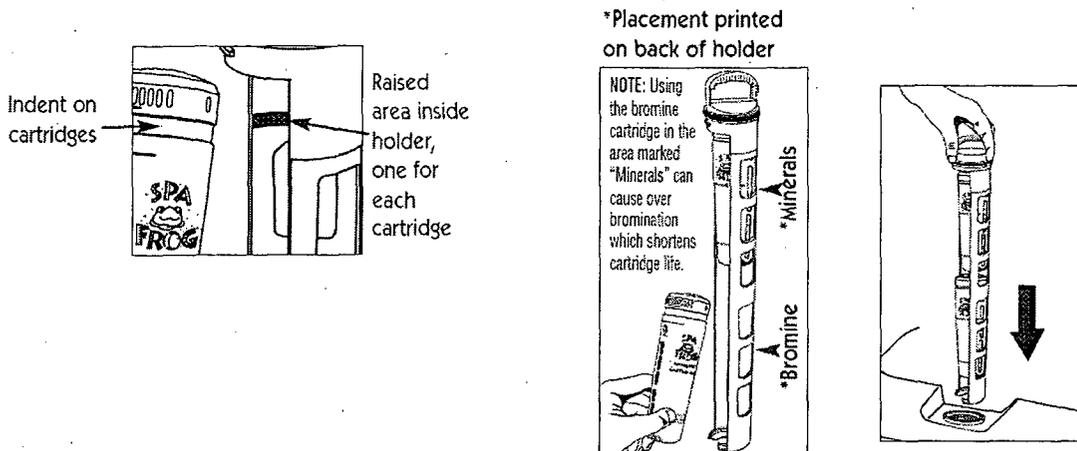
- Use a metal out or sequestering agent if fill water is high in metals. Wait 24 hours before continuing start up.
- **Very Important!** {Shock spa to establish a 1.0-2.0 ppm bromine {or chlorine} residual. Add directly to spa following manufacturers' directions.} Before using cartridges, establish an initial residual of 1.0-2.0 ppm bromine or chlorine with {either granular Brominating Concentrate™ (which typically contains 85% sodium dichlor (chlorine) and 15% sodium bromide) OR a chlorine shock.} {a chlorine shock or sodium bromide product}. {For best results use a start-up spa shock packet that quickly dissolves with an effervescent fizzing action – one packet per 500 gallons} {Do not use a non-chlorine shock.} Do NOT add through the In-Line System. Use {the appropriate bromine or chlorine test strips or kit and follow manufacturer's instructions.} {Frog Brand Test Strips to accurately maintain the reduced 1.0 to 2.0 ppm bromine level following the label directions carefully.}
- When spa reaches operating temperature per your spa manufacturer's directions, set the mineral and bromine cartridges according to directions on page # and insert them into the System.

Replacing Cartridges

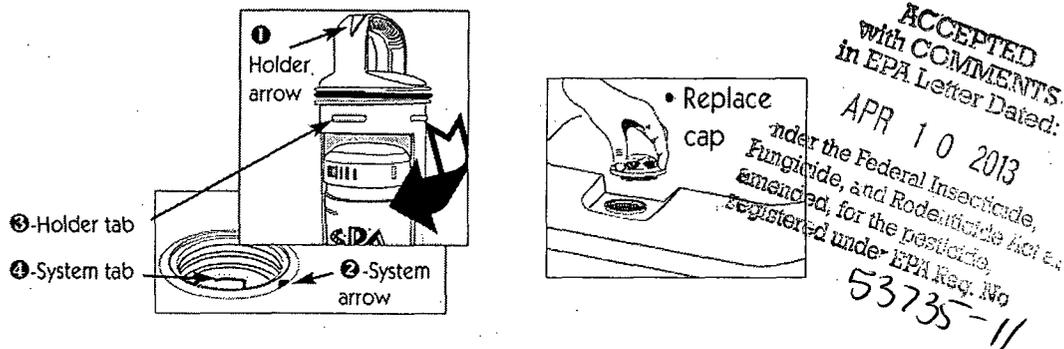
- Open cap of In-Line System and set aside. DO NOT OPEN CAP WHILE JETS ARE ON.
- Remove holder by pushing down and turning counterclockwise before pulling out.

28/64

- Remove spent cartridge by pushing bottom out through opening back of holder. Then grab cartridge and pull out.
- Snap the Pool Frog Mineral Reservoir into the area marked "Minerals" (top portion) and the Spa Frog Bromine Cartridge into the area marked "Bromine" (bottom portion) making sure to line up the indentation at the top of the cartridges with the raised area on the holder.



- Slowly insert holder into system. Line up holder arrow-① with system arrow-②. Push down until holder tabs-③ go past system tabs-④ and turn holder to the right (clockwise) until it stops. To ensure a locked position, attempt to pull holder up. If it stays in place, the lock is secure.



- Begin regular spa care procedures (see page #) as soon as start-up is complete.

Adjusting and When to Replace Pool Frog Mineral Reservoir:

- Set Pool Frog Mineral Reservoir wide open on #6 by holding the bottom and turning the top until the number 6 appears in the setting window.
- The Pool Frog Mineral Reservoir must be replaced every 4 months. After four months of use, or when draining and refilling the spa with fresh water, discard Pool Frog Mineral Reservoir in trash even if, upon shaking, it appears there is spent media left inside. Once wetted the time released minerals in the cartridge are effective up to four months. Do not attempt to reuse the product once removed from the spa. For ease in remembering, mark your calendar with the Reminder Stickers included with this manual {See spa manufacturer's draining recommendations.}

29/64

Adjusting and When to Replace Spa Frog Bromine Cartridge:

As every spa is different, finding the right setting for the bromine cartridge will require monitoring your usage for the first week or two. Begin with an initial setting based on the chart {below} {on page #} and monitor bromine levels daily or before each use, adjusting the cartridge by one setting per day until a 1.0-2.0 ppm level has been achieved. {Use Frog Brand Test Strips with the ideal Frog bromine range clearly marked on the label.} To adjust cartridge, remove from system and turn to the next highest setting if the bromine level is low, or the next lower setting if the bromine level is high. The bromine cartridge needs to be replaced when empty. Drain water to ensure empty then discard in trash. On most spas, it will last between 2 and 4 weeks. Always maintain at least 1.0 ppm bromine level.

INITIAL START-UP SETTING

Daily Filter Time	Spa Size (Gallons)		
	250-300	300-400	400-500
One Hour	2	3	4
Two Hours	2	2	3
Four Hours	1	2	2
24 hour @ low flow	1	2	2

NOTE: The more you use the spa, for instance when you first get it, the greater the setting to achieve at least 1.0 ppm. (This may require a higher setting than what is listed in the chart.) If usage decreases or the bromine level is greater than 2.0 ppm, lower the setting.

Regular Spa Care Procedures:

Always follow the directions for operating your particular spa.

- Run filtration system as directed by your spa manufacturer to maintain proper water flow through the In-Line System.
- Regularly test water for pH, total alkalinity and bromine levels {with the precise Frog Brand Test Strips}. Maintain at least 1.0 ppm bromine {or chlorine} level at all times.
- Shock the spa {with granular chlorine or a non-chlorine shock} once a week or as needed. Additional shocking may be required if the spa is under heavy use. This is often the case when the spa is new.
- Remember to replace your Pool Frog Mineral Reservoir and Spa Frog Bromine Cartridges as directed under "Adjusting and When to Replace".
- Lubricate o-ring twice a year with a silicone lubricant.

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30/64

[Operational Instruction 6 for Filter Spa Product]
[All text is optional]

Operation Manual For Use in Filter Core

Specifications

- Fits in most filters.
- Handles spas up to 600 gallons.
- Lasts 4 months.
- {Easy to set reminder dial for product replacement.}
- Use with bromine or chlorine.

Spa Start Up

- Always drain and refill spa at least every 4 months.
- Clean or replace filter cartridge when dirty (*Follow manufacturer's directions*).
- Balance water according to the chart.
- Shock spa to establish a bromine or chlorine residual of 1.0-2.0 ppm with {an EPA approved spa shock} {or by other means} {a spa start-up shock packet}. (*Follow manufacturer's directions*).
- Begin Regular Spa Care procedure on back page.

Note: Bromine {or chlorine} levels are lower only when used with the Frog Mineral {System} {Technology} {Formula}+

Installing Pool Frog Mineral Reservoir

- {Set reminder dial on Pool Frog Mineral Reservoir to 4 months from month of installation. Turn dial by hand or with a coin if needed.} {Mark your calendar with enclosed reminder sticker for the 4 month replacement date.}
- Place Pool Frog Mineral Reservoir in one of the following locations in spa:
 - Majority of Spas** – Insert Pool Frog Mineral Reservoir inside filter cartridge core (**Diagram A**). Do not allow Pool Frog Mineral Reservoir to sit too low in the filter. If blocking water flow install in filter well (**Diagram B**). If Pool Frog Mineral Reservoir is inside a standpipe, attach a string to the {handle on top} {Frog head handle} for easy removal.
 - High Flow Spas** – On skimmer filters with 2.5 HP or larger pump motors, place Pool Frog Mineral Reservoir in filter well outside the filter cartridge (**Diagram B**).
 - Small Cartridge or Other Spas** – Place Pool Frog Mineral Reservoir in skimmer tray (**Diagram C**).

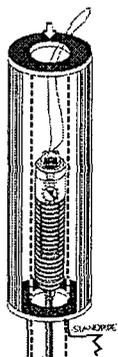


Diagram A

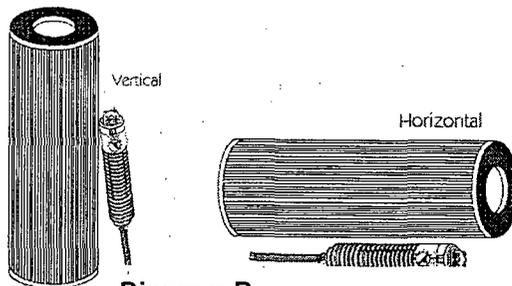


Diagram B – High Flow Spas in Filter Well

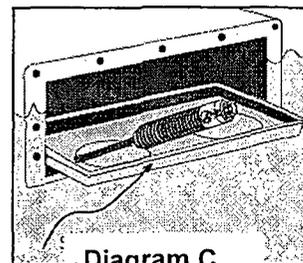


Diagram C

If unit is too tall, cut rod at hash marks to shorten.

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32/64

Regular Spa Care

- Ensure all spa equipment is working properly.
- Run filtration system a minimum of three hours per day.
- Regularly test water for pH, total alkalinity and bromine {or chlorine} levels.
- Maintain at least a 1.0 ppm bromine {or chlorine} level at all times.
- Shock the spa once a week or as needed. Additional shocking may be required if the spa is under heavy use. This is often the case when the spa is new.
- The Pool Frog Mineral Reservoir must be replaced every 4 months. After four months of use or when draining and refilling the spa with fresh water, discard Pool Frog Mineral Reservoir in trash even if, upon shaking, it appears there is spent media left inside. Once wetted the time released minerals in the cartridge are effective up to four months. Non-refillable container. Do not reuse or refill this product. Do not attempt to reuse the product once removed from the spa.

{Set for 4 mos.}

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32/64

[Operational Instruction 7 for Floating Pool Cartridge] [All text is optional]

FROG Mineral System Operation Manual

This is not a toy. For sanitizing pop-up pools only! Tether to pool with enclosed cord.

{Welcome to pool care courtesy of FROG. The FROG {Mineral System+} {Mineral Sanitizing Pool Care} {pool care with sanitizing minerals} {sanitizing mineral pool care} will help destroy bacteria to keep your pool clean with less work and up to 50% less chlorine.* It is super easy to use and will keep you enjoying a clean, clear swimming pool for weeks at a time. Here's all you do:} {The FROG Mineral Reservoir is a complete pool care system for pop-up pools that {uses} {utilizes} the patented mineral formula of the FROG Mineral Reservoir with {low(er)} {reduced} levels of chlorine from the chlorine cartridge to destroy bacteria, help maintain pH and restore water clarity. Simply {connect,} {turn} {twist} to set and {toss into} {tether to} {plop in} the pool. Everything is prefilled and contained {{for} no mess, no guess {and} no stress {pool care.}} {The best part is it flips over when {empty} {out} {time to replace a {chlorine} cartridge.} {Hey! Less Work Hey! Less Chlorine Hey! Less Money}

Register your FROG Mineral Reservoir at kingtechnology.com

Pool Start-up

Balance your water according to the water balance guidelines.

WATER BALANCE GUIDELINES	
pH	7.2-7.8
Total Alkalinity	60-120 ppm
{Calcium Hardness	150-400}
{Total Dissolved Solids	<1500}
Stabilizer (Cyanuric Acid)	20-80 ppm
Free Chlorine	0.5-1.0 ppm

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1. Shock pool to remove contaminants (follow manufacturer's directions).
2. Remove {the} {outer} packaging from both the mineral and chlorine {halves} {hemispheres} {cartridges} {pacs} {pieces} {sections} of the FROG Mineral System. Bring the two {halves} {cartridges} together and line up the {arrows} {alignment marks} {tick marks} {icons} {water drops} {arrow on the chlorine cartridge with the unlock symbol on the mineral cartridge}. Push together and twist to lock. {Do not twist past setting #x or damage to the product could result.}

{If using the {algaecide} {clarifier} {scent} {shock} pac, attach {to} {complete system} {mineral cartridge} {between the mineral and chlorine cartridges}. Follow the instructions on that product for proper use.}

{Setting the FROG Mineral System}

3. Twist the mineral {half} {hemisphere} {replacement} {cartridge} {pac} opposite of the chlorine {half} {hemisphere} {replacement} {cartridge} {pac} until the setting number for your pool size is lined up with the {arrow} {alignment mark} {tick mark} {icon} {water drop} {on the chlorine cartridge} (see chart below).
 4. {Then simply toss it into the pool or} tether it to the pool {side} {frame} or ladder {with the cord provided,} away from the skimmer or a return jet. {Use {the enclosed cord} {a string} tied to the {loop} {hole} in the product.}
- [graphic callouts:] {gray} {green} {blue} mineral cartridge, {blue} {yellow} chlorine cartridge, Setting # on mineral cartridge, Twist mineral opposite of chlorine

3/14

5. Test the water periodically and adjust the setting until the chlorine level is maintained at least a 0.5 ppm to 1.0 ppm {chlorine level}. Use the precise FROG {Brand} Test Strips to help measure the ideal chlorine range when used with FROG minerals. Based on average pool usage, chlorine will last {on average} {about} {up to} {4-6 weeks for pools up to {3000} {4000} gallons or} {{2} {3}-4 weeks for pools up to {5000} {6000} gallons,} {3-4 weeks} except during times of hot water temperatures and heavy pool use.

{Pool Frog Mineral Reservoir} Initial Setting Chart {For 2000 to 5000 Gallons}					
Diameter	{Pool Gallon Size} {Gallons}	Setting #	Diameter	{Pool Gallon Size} {Gallons}	Setting #
8-10'	{1000}	#	18'	{5000}	#
10'	{1500}	#	18'	{5500}	#
12'	{2000}	#	18'	{6000}	#
12'	{2500}	#	18'	{6500}	#
15'	{3000}	#	20'	{7000}	#
15'	{3500}	#	20'	{8000}	#
15'-16'	{4000}	#	21'	{9000}	#
15'-16'	{4500}	#	21'	{10,000}	#

{Most common pool size} {For example, pools 15' in diameter or 4000 gallons would use setting x}

NOTE: {See the information that came with your pool or} calculate pool gallons by multiplying diameter x diameter x water height x 5.9 or visit our pool volume calculator at kingtechnology.com.

Replacing the Chlorine {Brand} {Half} {Hemisphere} {Replacement} {Cartridge} {Pac} {Recharge}

When the product is almost empty it will {begin to} slowly {flip} {roll} over giving you {a day or two} notice that it's about time to replace. When it completely {flips} {rolls} over replace by {rotating the two {halves} {hemispheres} {cartridges} {pacs} {pieces} {sections} until the {arrows} {alignment marks} {tick marks} {icons} {water drops} align along the edge of both {halves} {cartridges} and pull apart} {arrow on the chlorine cartridge aligns with the unlock symbol on the mineral cartridge and pull apart}. Follow the start-up procedures {above for attaching a filled chlorine {brand} {half} {hemisphere} {replacement} {cartridge} {pac} {recharge}}.

Do not remove the chlorine cartridge until the system has completely flipped. If the chlorine {half} {hemisphere} {replacement} {cartridge} {pac} {recharge} {still} contains a small amount of chlorine after the system has {flipped} {rolled} over, place in pool by itself {until completely empty}. Do not allow chlorine cartridge to sink to the bottom or pool bleaching may occur. When completely empty, discard in trash {or offer for recycling}.

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Regular Pool Care

1. Run pump and filter at least 8 hours per day. Lack of circulation may cause bleaching of pool surface.
2. Regularly test water for pH, total alkalinity and chlorine levels.
3. Maintain at least 0.5 ppm chlorine level at all times.
4. Replace {the} chlorine {cartridge} when {the FROG Mineral System completely} {flips} {flipped} {rolls} over.
5. Shock the pool as needed to maintain water clarity. Follow label directions on the shock treatment used.
6. Check filter regularly and clean or replace the cartridges when dirty.
7. Replace the complete Frog Mineral {Reservoir} {System} every 6 months or after one pool season whichever is shorter. If the pool is drained and refilled prior to six months {or one pool season}, Pool Frog Mineral Reservoir must be replaced at that time.

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NOTE: This product may be removed from the pool when in use {or if the pool has over chlorinated.} Lift out of the water and let drain into the pool. Then hang over the outside of the pool {on {the cord provided} {a string}} or place on the ground or surface that is not susceptible to bleaching from the chlorine. Remember to replace the product once exiting the pool {or when the chlorine levels return to normal.}

34/64

[Operational Instruction] 8 for Cartridge for Bulk Chlorinator
[All text is optional]

FROG Mineral System Operation Manual

Welcome to pool care courtesy of FROG. The FROG Mineral System+ will destroy bacteria to keep your pool clean with less work and up to 50% less chlorine.* It is super easy to use because it fits inside your current {Hayward®} {Rainbow®} {or equivalent} chlorinator. You simply enjoy a clean, clear swimming pool without touching or counting chlorine {tablets} {pucks} again. Here's all you do:

Swimming Pool Tips

1. Make sure the pool has adequate circulation. The pool water must completely circulate through the pump and filter at least 1 to 2 times per day. This usually requires 8 to 12 hours. Check with your dealer for the proper circulation time for your pool.
2. Before beginning with any pool care program, you must first balance your pool water. Take a water sample to your local pool professional {or use a complete test kit} that will test for the following important elements.

Water Balance Guidelines	
pH:	7.2-7.8
Total Alkalinity:	60-120 ppm
Calcium Hardness:	150-400
Total Dissolved Solids:	<1500
Stabilizer:	20-80 ppm
Free Chlorine:	0.5-1.0 ppm

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3. If your fill water is high in metals, use a sequestering agent or metal out product at start up only before using the mineral reservoir. See your local dealer for details on using these products and always follow manufacturer's directions carefully.
4. After your pool is up and running smoothly, continue to test your water for pH, total alkalinity and chlorine {with FROG Brand Test Strips} and maintain its balance by adding any necessary adjustment products (see you dealer for details).
5. Check the pool's filter gauge often and periodically clean filter per the manufacturer's directions. A dirty filter will slow the flow of water which could hamper proper circulation.

{How to replace the Pool Frog components}

{Replacing} {Using} a Pool Frog Mineral Reservoir and Chlorine Pac

1. Check the {top} {front} of the box {and {back} label of product} to make sure you have the correct Pool Frog Mineral Reservoir to fit your {Hayward®} {Rainbow®} chlorinator.

THE POOL FROG MINERAL RESERVOIR MUST BE REPLACED EVERY 6 MONTHS OR AFTER ONE POOL SEASON WHICHEVER IS SHORTER.

2. Remove the material covering the holes on the bottom {and side} of {remove the plug from the side of} the Chlorine Pac.

35/64

3. {If using Algaecide Pac {bush} {screw} {affix} {insert} algaecide {pac} {container} {bottle} {on} {in} to the {chlorinator} {cap} that attaches to the {Pool Frog Mineral Reservoir} {while inside the chlorinator} {then insert into chlorinator}. Replace cap, turn dial full open and run for 90 minutes. Remove algaecide {pac} {container} {bottle} and discard or recycle.
4. Connect the Pool Frog Mineral Reservoir to the Chlorine Pac by bringing the two together, lining up the arrows and turning the chlorine pac clockwise to lock.
5. Turn off pump, turn chlorinator dial closed or off and open the cap.
6. {Lift up} {Use} the handle {and} {to} lower the complete system into the {Hayward®} {Rainbow®} chlorinator by lining up the square channel on the side of the Pool Frog Mineral Reservoir and Chlorine Pac with the dial side of the {Hayward®} {Rainbow®} chlorinator.
7. Replace the chlorinator cap. If the system is not seated properly the cap will not close. Pull up, check alignment and re-lower into chlorinator.

Channel in Pool Frog Mineral Reservoir
 Dial side of {Hayward®} {Rainbow®} chlorinator

Replacing the Chlorine Pac

Chlorine Pacs will help ensure a reduction of up to 50%* in chlorine use. Pacs sold separately (EPA Reg. No. 53735-2)

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*Compared to the minimum EPA recommended chlorine level of 1.0 ppm for a stabilized swimming pool.

Avoid sparks, open flame or smoking when handling the pac.

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1. When the chlorine pac is empty remove the entire {system} {product} from the chlorinator. Turn the chlorine pac counter clockwise to unlock it from the Pool Frog Mineral Reservoir. Simply connect a new Chlorine Pac by lining up the arrows and turning the chlorine pac clockwise until it locks.
 Alignment arrows
 Turn clockwise

2. {Lift up} {Use} the handle {and} {or} lower the complete system into the {Hayward®} {Rainbow®} chlorinator by lining up the square channel on the side of the Pool Frog Mineral Reservoir and Chlorine Pac with the dial side of the {Hayward®} {Rainbow®} chlorinator.

The chlorine pac is made of HDPE plastic. Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. Rinse thoroughly before recycling or discarding in trash.

Mark your calendar for the six month replacement of the Pool Frog Mineral Reservoir and approximate replacement times for the Chlorine Pacs. Once wetted, the time released mineral coating of this product is effective up to 6 consecutive months or one pool season whichever is shorter. After that time, even if you hear the spent media inside, it is no longer effective and must be replaced.

Start-up and Operation

1. Add a stabilizer or conditioner to the pool at the beginning of the season if the stabilizer level is below 20 ppm. This will prevent chlorine burn off. Follow manufacturer's directions carefully.

36/64

- 2. {Shock the pool with {an EPA registered chlorine shock} {a shock pac} to rid the water of all contaminants before beginning. Follow manufacturer's directions carefully.}

Do not add shock in or near the skimmer or into the chlorinator as it could damage equipment, risk potential explosion or discolor your pool surface.

THIS STEP IS VERY IMPORTANT TO START-UP. USE CHLORINE SHOCK ONLY.

- 3. {If using the Algaecide {pac} {container} {bottle}, follow the directions for use on that product now.}
- 4. Install Pool Frog Mineral Reservoir and Chlorine Pac into the {Hayward®} {Rainbow®} chlorinator. See page 1 for directions.

REPLACE THE POOL FROG MINERAL RESERVOIR EVERY 6 MONTHS OR AFTER ONE POOL SEASON WHICHEVER IS SHORTER.

- 5. **SETTING CONTROL DIAL** Set control dial by matching up the parameters of your pool on the charts below. THIS IS A STARTING POINT ONLY and may need to be adjusted to fit your individual pool needs. See # {x} for directions.

Initial Setting Chart	
Pool Gallon Size	Setting #
10,000	#
15,000	#
20,000	#
25,000	#
30,000	#
35,000	#
40,000	#

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- 6. For the first week test the pool water daily for free chlorine {with Frog Brand Test Strips} to ensure correct dial setting. Continue to test weekly throughout the season. After testing, adjust the dial up by ½ increment if the free chlorine reading has dropped below 0.5 ppm or down by ½ increment if the reading has risen above 1.0 ppm. Continue this process each day until the {reading stabilizes to at least 0.5 ppm.} {color on the test strip matches the ideal Frog range of 0.5 ppm to 1.0 ppm free available chlorine (FAC).} Remember to adjust dial by ½ increments only, in order to prevent over chlorination which may bleach pool surfaces.
- 7. Shock pool every two weeks or as needed to maintain water quality. Follow label directions on the chlorine shock treatment used.

Hayward® is a registered trademark of Hayward Industries Inc.
Rainbow® is a registered trademark of Pentair Inc.

37/6

[Copy for packaging and labeling - All text on this page is optional]

{Frog Mineral {System} {Technology} {Formula}+ improves {swimming pool pleasure} {your swimming experience} by reducing the problems associated with chlorine. {Experience the FROG difference} {It gives you}:

- Less work with no daily dosing {of minerals or chlorine}.
- Sparkling water for above ground and in ground pools.
- Pre-filled pacs eliminate fumes typical of chlorine buckets.
- Reduces Fading Swimsuits
- Lower chlorine levels help prevent damage to equipment and surfaces.
- A neutral pH with less monitoring

Let Us Dissect This Frog For You

A Mineral {Sanitizing} {Disinfecting} System With 3-Parts

- Frog Cycler holds the Mineral Reservoir and chlorine Bac Pac
- Pool Frog Mineral Reservoir contains the minerals
- Frog chlorine Bac Pac (sold separately EPA Reg. No. 53735-2) provides low chlorine support.

Here's How It Works

- The Frog System destroys bacteria
- The Frog Mineral System reduces chlorine use up to 50% compared to the minimum EPA recommended chlorine level of 1.0 ppm for a stabilized swimming pool.
- When using the chlorine Bac Pac water flows through minerals and chlorine so one unit does all.

Frog is more fun
Up To 50%* Chlorine Reduction with Pool Frog Mineral System

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Take home the complete mineral system including:

FROG's Complete Pool Care System includes:

1. Pool Frog Mineral Reservoir
 - Fits inside the Frog Cycler
 - Contains minerals that help to {control} {destroy} bacteria
 - Replace mineral reservoir every season – do not use more than 6 consecutive months.
2. Chlorine Bac Pac (sold separately – EPA Reg. No. 53735-2)
 - Pre-filled with Trichlor (chlorine) tablets.
 - Sits inside the Pool Frog Mineral Reservoir for a complete system
 - Set the Cycler dial for achieving at least 0.5 ppm chlorine level (see instruction manual)
 - Replace chlorine Bac Pac when empty
3. Frog BAM Algae Preventative (sold separately – EPA Reg. No. 53735-9)
 - Algae Protection Guarantee when used with the Complete Frog System
 - Dispenses in 90 minutes and provides 90 days of algae protection}

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Don't forget Frog Wake-Up Kit for spring openings and Frog Hibernation Kit for pool closings.

There's a Frog For You!

Frog Copy by Category:

1. Less Work

- Less work with a 6 month Mineral Reservoir and pre-filled chlorine Bac Pac.
- Less work with pre-filled disposable cartridges.
- No more daily maintenance with replacement products that last weeks or months at a time.
- Take back the fun of your pool by reducing the work and increasing the pool's life.
- {Frog offers} more fun {with your family}! Let Frog do the work for you.
- Relaxation and peace of mind.
- Set the Cyclor valve and it dispenses minerals and chlorine automatically.
- Automatic dispensing of minerals and {chlorine} {bromine} – Automatic pool care.

2. Less {Chlorine} {Bromine}

- Frog is a mineral system with a pre-filled chlorine pac that meets the EPA requirements to lower previously approved safe chlorine levels by up to 50%.* (*1.0 ppm was EPA's previously approved safe level for a stabilized swimming pool). {for pools}
- Pool Frog Mineral Reservoir is a mineral system using a pre-filled bromine cartridge that meets the EPA requirements to lower previously approved safe bromine levels by up to 50%.* {for spas}
- With standard chlorine products for swimming pools, EPA has NOT approved a chlorine level of 0.5 ppm without using minerals.
- With standard bromine {or chlorine} products for spas and hot tubs, EPA has NOT approved a bromine {or chlorine} level of 1.0 ppm without using minerals.
- The Frog Mineral {System} {Technology} {Formula}+ destroys bacteria so less {chlorine} {bromine} is needed for complete {pool} {spa} care.
- Minerals help destroy bacteria so less {bromine} {or chlorine} is needed for complete spa care.
- Lowers {chlorine} {bromine} {usage} {use}
- Reduces {chlorine} {bromine} consumption
- Frog Mineral {System} {Technology} {Formula}+ reduces the formation of chloramines and odors.
- Frog Mineral {System} {Technology} {Formula}+ reduces chloramines and its effects.

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3. Water Quality

- Pool Frog's minerals make a difference you can see and feel.
- Water feels softer with a crystal clear shine.
- For softer water with a crystal clear shine.
- Frog minerals condition the water for extra softness.
- Frog Mineral {System} {Technology} {Formula}+ reduces the problems associated with {chlorine} {bromine} like {faded} {fading} swimsuits.
- Lower chlorine levels help prevent damage to equipment and surfaces.
- Spend the day in the {pool} {spa} without worrying about faded swimsuits.
- Pool Frog gives you a reliable way to have fresh, clean, clear water in your family's {pool} {spa}.
- With Pool Frog Mineral Reservoir your spa will have the feel of a hot spring in the Rocky Mountains cascading over your tired limbs and soothing muscles.
- Pool Frog Mineral Reservoir transforms your spa into the perfect environment for soothing relaxation.
- The perfect spa environment.
- Makes water brilliantly clear {and soft}

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- Restores water clarity
- Frog Mineral {System} {Technology} {Formula}+ conditions water for extra softness
- The Pool Frog Mineral {system} {formula} destroys bacteria and is easy on swim suits, and skin.
- Effectively {fights} {destroys} bacteria
- Prevents the things you don't like about chlorine like bleached swim suits

4. How Frog Mineral {System} {Technology} {Formula}+ Works

- Frog Mineral {System} {Technology} {Formula}+ helps rid the water of harmful bacteria.
- Frog's patented mineral {System} {Technology} {Formula}+ destroys bacteria with a controlled release formula that lasts {6} {4} months.
- Frog minerals also help keep your pH balanced by acting as a neutralizer.
- Complete mineral pool care works in all pools.
- Complete mineral spa care works in all spas*. (*Any spa can take advantage of a complete system including the Pool Frog Mineral Reservoir used with the Spa Frog Bromine Cartridge.)
- Improves water quality by:
 - Helping to maintain a neutral pH ◦ for softer water.
- Let Frog Mineral {System} {Technology} {Formula}+ handle the bulk of your water {sanitation} {disinfection} {disinfecting} needs.
- Silver plus 0.5 ppm chlorine is as effective as 1.0 ppm chlorine alone. {for pools}
- Silver plus 1.0 ppm bromine {or chlorine} is as effective as 2.0 ppm of bromine {or chlorine} alone. {for spas}
- Pool Frog Mineral Reservoir works together with very low levels of {bromine} {or chlorine} to control bacteria, condition the water and help neutralize pH.
- The Frog Mineral {System} {Technology} {Formula}+ provides silver to help destroy bacteria and carbonate to help keep the pH in an acceptable range without monitoring.
- The Frog Mineral {System} {Technology} {Formula}+ contains silver to help destroy bacteria and carbonate to help keep the pH in an acceptable range without monitoring.
- Silver helps destroys bacteria to reduce chlorine use up to 50%*
- Frog minerals constantly work to keep bacteria away.
- Pool Frog's mineral formula {kills} {destroys} {is sure tough on} waterborne bacteria.

5. How To Use

- Just set it and forget it for weeks at a time.
- Maintain at least 0.5 ppm of chlorine.
- Mark your calendar with enclosed reminder stickers for the 6 month replacement date.
- Replace the Mineral Reservoir every six months or once a season.
- Replace the chlorine Bac Pac when empty – usually every 1-3 weeks.
- Replace the 7 pound chlorine Pac for Pool Frog XL Pro when empty – usually every 3-4 weeks.

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in EPA Letter Dated:
MAY 10 2013
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53735-11

[All text on this page is optional]

40/64

Frog now comes with water polishers for easier pool start up.
Pool Frog Mineral Reservoir now with Start-up Water Polishers for easier start up.
{Now with} {Plu} Start-Up Water {Polishers} {Clarifiers}
Now with 25% more water polishers {than the original mineral reservoir}
{Now with} 25% greater clarifying power {than the original mineral reservoir}
Now more water polishers {than the original mineral reservoir}
Now more start up water polishers {than the original mineral reservoir}
New and improved with additional water polishers
Now pool start-up just got clearer
Start your Frog pool with clearer water this season
Insanely Cool Pool Care
Patented Get Down™ Pool Care Technology
Patented Get Down Mineral™ Pool Care Technology
Get Down Mineral Technology
Get Down Mineral Pool and Spa Care Technology
Get Down Mineral Pool Care Technology
Get Down Pool and Spa Care Technology
Get Down Pool Care Technology
Get Down

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[The following text may or may not appear on an insert inside packaging]

Important – Remove and Read

Less Chlorine with {Bac Pac} {Pool Frog Pacs} {Pool Frog Mineral {System} {Technology}
{Formula}+.

To assure a 50%* chlorine reduction use this Pool Frog Mineral Reservoir with {a} {the
appropriate} {chlorine} {Bac} Pac {for your system}. See setting chart in manual for the
proper control dial setting.

Operation without {chlorine} {Bac} Pac.

If using {Pool Frog Mineral Reservoir} with an alternative source of chlorine leave the center
of the Pool Frog Mineral Reservoir empty and set the Pool Frog control dial to {Maximum}
Setting {10} {5} or {On} depending on your Pool Frog System. {No adjustments necessary.}

Frog Brand Test Strips

To accurately measure the reduced chlorine level of 0.5 to 1.0 ppm, use Frog Brand Test
Strips and adjust your dial setting to maintain the ideal Frog chlorine range and get a longer
life to the Pool Frog {Bac} Pac.

Warning

Do not put anything in the center of the Pool Frog Mineral Reservoir other than {a factory
recommended Bac Pac or Frog Bam 90-Day Algae Preventative} {the appropriate Frog
product as directed in the product instructions}. {Do not use any other pac or bulk chemical
tablets in the Pool Frog Mineral Reservoir. Use of any other products could result in damage
to pool equipment or surface, unsafe pool conditions, fire or explosion. Warranty will be void
if the correct Pool Frog Mineral Reservoir, Frog Bam and Bac Pac are not used.}
Damage could result to the pool or equipment and warranty will be null and void.

[Other Optional Text]

4/69

Free Frog Bam Offer Inside - \$XX.XX Value

Special Offer Inside

See Inside for Special Offer

Above Ground Series {4500} or {5100} {6100} {6500} {6700} {xxxx} (Order #xx-xx-xxxx) for use in Model

Now fits the following Cyclers: Pool Frog Series 4500, 5100, 5200, 6100, 6500 or xxxx

Prevail Series 5770 or 5771 In Ground Series 5400 or xxxx (xx-xx-xxxx) for use in Model

Now fits the following Cyclers: Pool Frog Series 5400, 5600, or xxxx and Prevail Series 5790 01-12-5472

Series 6100 or xxxx (xx-xx-xxxx) 01-12-6152

Series 6500 or xxxx (xx-xx-xxxx) 01-12-6152

For use with Aqua Smarte Models 5700 and 6700 or xxxx

Contents;

Pool Frog Mineral Reservoirs

Pool Frog Bac Pacs

{Plus} Free {Frog} {Brand} Test Strips {{(\$ Value)} {Inside}

\$\$ Mail-in Coupon for this purchase

\$\$ Mail-in Coupon for Frog Test Strips

\$\$ Mail-in Coupon for Frog BAM

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53735-11

[All text on this page is optional]

42/64

[Additional Copy for Skimmer Application packaging and labeling]

{Frog Mineral {System} {Technology} {Formula}+ improves {swimming pool pleasure} {your swimming experience} by reducing the problems associated with chlorine. Experience the FROG Difference:

- Less work with no daily dosing of minerals or chlorine.
- Sparkling water for in ground pools.
- Reduces Fading Swimsuits
- Lower chlorine levels help prevent damage to equipment and surfaces.}

{Set reminder dial to the six month replacement date.}

{Drops in Skimmer!}

{Don't close your eyes to the perfect pool.}

{The Perfect Pool Begins With Pool Frog Mineral Reservoir}

- {Lasts a full six months with a handy reminder dial
- Shroud prevents clogging and acts as a handle
- Water flows in the snorkel and openings on top and sides
- Water flows out the bottom dispensing low levels of minerals into the pool}

[Additional Copy for Pool Cartridge used in Floating System packaging and labeling]

- FROG Splash – The Perfect Choice for Splasher Pools
- Splash Into Summer With Pool Care From FROG
- Small pools still need proper care – make it a snap with FROG Splash
- Make sure your pool is properly treated – use FROG Splash
- Before you Splash, use FROG Splash!
- FROG Splash makes pool care a snap with 3 Easy steps:
 1. Set the cartridges according to the instructions for each
 2. Snap them into the floating holder and place in water
 3. Replace cartridges when directed (see instructions inside)
- Before your family goes for a splash – make sure the water is treated with FROG Splash.
- All pools require a method for controlling bacteria growth – even small above ground pools!
- Frog Splash contains minerals that help destroy bacteria and reduce chlorine use up to 50%.
- For use in the Frog Splash System
- Especially important for little people in little pools that create a big breeding place for bacteria.
- EPA registered and patented minerals help inhibit bacterial growth when used in conjunction with reduced levels of chlorine.
- FROG Splash allows your family to splash with a smile.
- Free floats in the pool.
- Set upside down outside the pool while in use. Remember to replace when finished using the pool.

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[All text on this page is optional]

9/3/69

Now Spa Care with Less Work
Mineral and Bromine {or Chlorine} Spa Care

Works in all spas
Reduces bromine {or chlorine} use up to 50%*
Cuts bromine {or chlorine} use up to 50%*

Relax - Frog's on the Job
Reusable Holder
Replacement Cartridges

Register your Pool Frog Mineral Reservoir at Kingtechnology.com
Put {s} the AAAHH in Your Spa
Frog Mineral and Bromine {or Chlorine} Spa Care

For Use in the In-Line System
For Use in Spa Floater or Installed In-Line System
For use in the Automatic In-Line System Only

In-Line System Only
In-Line System, Bromine Cartridge, Mineral Cartridge, Spa Floater
Easy top-loading of cartridges

Ask your dealer if your spa came with an In-Line System
Ask for the 200 gram Bromine Cartridge for longer life
See side panel for in-line details

Less bromine {or chlorine}-with minerals helping to control bacteria
Less work with no daily dosing of minerals or bromine {or chlorine}
Less work with pre-filled disposable cartridges

Reduces maintenance with pre-filled adjustable cartridges
Less maintenance - Cuts Maintenance Time
Relaxation and peace of mind

For use in the Floating System
Floating System, Floating Holder
Cartridges are easy to snap in and out when replacing
Floats in Any Spa, Works in all spas

Soft skin

Pleasant feeling skin
Soft skin through neutral pH
Silky smooth feeling
Silky smooth feeling skin
Soft water
Soft water resulting in silky smooth feeling skin
Soft water that's easy on skin
Soft feeling water that's easier on your skin
Silky smooth feeling water
Silky feeling water that comes from water softness
Helps maintain a neutral pH to provide silky water and smooth skin
Using less bromine {or chlorine} helps reduce odors

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[All Text on this page is optional]

Reduces Odors

Setting Window

Cartridge Kit for Automatic Spa Care

Contains: 1 Mineral Cartridge - Lasts 4 Months
3 Bromine Cartridges - Each Lasts 2-4 Weeks
200 grams each - Lasts 3-5 weeks

487/69
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Just follow the easy guidelines below:

1. Fill spa with fresh water and bring spa to recommended temperature.
2. Balance the water's pH and total alkalinity and shock the spa to establish a bromine or chlorine residual of 1.0-2.0 ppm {using the spa start-up shock packet}.
3. Adjust your cartridges:
 - a. For the blue mineral cartridge - set wide open on Setting #6.
 - b. For the yellow bromine cartridge - set the cartridge to #5 for the first 24 hours ONLY. Then adjust down to maintain a low 1.0-2.0 ppm of bromine. That's up to 50%* less bromine than standard spas require.
4. Insert cartridges into floating holder openings.
5. Let the Floating System free-float in your spa. When using the spa, simply lift up the Floating System, drain most of the water and set on the side of the spa inverted so all excess water drains into the holder. Return to spa when finished using.
6. Replace your cartridges:
 - a. For the yellow bromine cartridge - replace when empty. The cartridge life will vary.
Once your usage is determined, mark the calendar with enclosed replacement reminder stickers.
 - b. For the blue mineral cartridge - replace every 4 months or when draining and refilling the spa with fresh water.
7. Shock the spa with a non-chlorine or chlorine shock once a week or more often if the spa is heavily used.

Replace Bromine Cartridge every 2-4 weeks. Bromine usage varies depending on spa size and number of spa users.

Mineral Cartridge must be replaced every 4 months. NOTE: You may still feel the "spent" minerals inside, but they are no longer effective and need to be replaced. Simply discard in trash.

See inside label for directions for use and disposal instructions.

Just follow the easy guidelines in the enclosed manual and the following helpful tips:

VERY IMPORTANT! Before using cartridges, establish a bromine or chlorine residual of 1.0-2.0 ppm {with granular Brominating Concentrate™ or a chlorine shock} {spa start-up shock packet}. (See instruction manual.)

Brominating Concentrate™ is a registered trademark of Bio-Lab, a Chemtura Company.

Cartridges are easy to snap in and out when replacing.

If desired, invert and set on side of spa when spa is in use.

Mark your calendar with enclosed replacement reminder stickers.

Experience the shape of Frog water testing with free Frog Brand Test Strips inside.

Now it's easier to maintain the low 1.0 ppm bromine level with Frog Brand Test Strips. See inside for details.

Start-up is easier with the spa start-up shock packet with its {effervescent} {fizzing} action that shows it's working. See inside for details. Start up your freshly filled spa with a free Frog Jump Start.

Free spa start-up shock packet inside! Free Frog Jump Start inside \$x.xx Value

[The following rebate copy may or may not appear on packaging – (text is optional)]

45/64

Free Cartridge Rebate

Free Bromine Cartridge Rebate - \$##.## Value

\$##.## Rebate with the purchase of Frog Test Strips

Purchase must include 1 Frog Test Strips (50 ct) from any participating store.

FROG Test Strips \$##.## Rebate

{Plus} Free Frog {Brand} Test Strips Inside

See side panel for \$##.## Rebate on New Frog Test Strips

Save \$##.## {when you try} {on} the complete Spa Frog Floating System {with:}

- 50%* less bromine use
- Less work – more fun!
- Soft water with a crystal clear shine

Plus we guarantee you'll love SPA FROG!

See product or kingtechnology.com for full details.

Get \$##.## back when you purchase a Spa Frog Floating System for mineral and bromine spa care that keeps water clean and crystal clear.

Receive a Free Spa Frog Bromine Cartridge with purchase of this kit.

How: Purchase from any participating Frog retailer (no on-line sales). See www.kingtechnology.com for a retailer in your area. Send completed coupon below with original sales receipt and original UPC bar code (no copies or facsimiles) showing the purchase of {product name} to King Technology {name of rebate} {submittal address}.

When: All entries must be postmarked {within 30 days of purchase.} {no later than} {and offer expires} {date}.

Important: This is a mail in rebate only. This is NOT {valid in store} an in-store rebate. Limit: one {name of rebate} rebate per household. Read all terms and conditions carefully. This is a one time offer.

See details on back.

[Rebate form has the following:]

Full Name, Address, City, State, Zip, Phone, e-mail.

{I am using these cartridges in the (check one)}

- In-Line System (built into the spa) that came installed on my spa.
- Floating System (floats in the spa)}

{I am using FROG Test Strips with the (check one)}

- Pool Frog Above Ground System
- Pool Frog In Ground System
- Spa Frog Floating System
- Spa Frog In-Line System}

{Caldera Spas Dealer

Dealer Address}

Spa Brand

You must attach proof of purchase.

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This rebate is intended for the end user consumer only; and may not be used with any other coupon or offer. Limit: one rebate per household. This offer is product specific; substitutions will not be honored. Product must be purchased from a U.S. retailer (no on-line sales) and consumer must reside within the continental United States. Theft, diversion, reproduction, transfer, sale or purchase of this offer form is prohibited and will void rebate. Submissions from P.O. boxes will not be honored. If your primary address is a P.O. box, see your local Post Office for a street address. Submissions from groups or organizations will not be honored or acknowledged. Names and addresses may be verified. Use of fictitious names or addresses could result in federal claims of mail fraud. Offer void where restricted or prohibited by law. King Technology is not responsible for late, lost, mutilated, illegible, misdirected or postage due requests. King Technology reserves the right to rescind this offer. This offer may not be reprinted without the express written consent of King Technology. Please allow 6-8 weeks for delivery of

9/6/69

[The following Satisfaction Guarantee may or may not appear on packaging – All text is optional]

Unconditional Satisfaction Guarantee
You'll LOVE the SPA FROG Floating System or your money back!
If after 90 days you don't experience...

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- 50%* less bromine use
 - Less work - more fun!
 - Soft water with a crystal clear shine
- we'll replace it or refund your money. And that's a fact!

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This is a limited warranty. See back for details.
Within 90 days of purchasing the SPA FROG Floating System, if you are not completely satisfied, we will refund your money or replace the SPA FROG Floating System only. To submit your claim, the following must be sent to King Technology:

- 1) The SPA FROG Floating System holder (green piece with FROG logo).
- 2) The receipt(s) showing the purchase of the SPA FROG Floating System and at least 3 SPA FROG Bromine Cartridges.
- 3) A water test analysis showing the water was balanced and the bromine level was between 1.0 and 2.0 ppm.
- 4) A written statement explaining your dissatisfaction and your request for either replacement or refund.
- 5) Return all of the above to:

King Technology Inc. c/o SPA FROG Satisfaction Guarantee
530 11th Ave S, Hopkins, MN 55343

Please allow 4-6 weeks for processing your request.

If you have any questions, please contact Customer Service at 800-222-0169.

King Technology, Inc. warrants its SPA FROG FLOATING SYSTEM product for a period of 90 days from date of purchase. A replacement or refund will be issued if not completely satisfied with the product and the return terms and conditions are met.

Consumer Claims Terms and Conditions

If purchaser is not satisfied with the SPA FROG FLOATING SYSTEM for any reason during the 90-day warranty period a replacement or refund will be issued when (a) sales receipt is returned showing purchase of the SPA FROG Floating System and at least 3 SPA FROG BROMINE CARTRIDGES (b) the floating system holder is returned (c) a water test analysis shows the water was balanced and the bromine level was between 1.0 and 2.0 ppm (d) a written statement explains the dissatisfaction.

This warranty is the exclusive warranty for the SPA FROG FLOATING SYSTEM. This warranty is not transferable. KING TECHNOLOGY, INC. MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND, EXPRESSED OR IMPLIED, AS TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER MATTER WITH RESPECT TO THE SPA FROG FLOATING SYSTEM. All claims for the SPA FROG FLOATING SYSTEM, whether in contract, negligence, strict liability or any other tort or otherwise are deemed waived or released unless submitted within the 90 day warranty period for the SPA FROG FLOATING SYSTEM with the proofs of claim required. YOUR EXCLUSIVE CLAIM SHALL IN NO EVENT EXCEED THE REFUND OF THE ORIGINAL PURCHASE PRICE OF THE SPA FROG FLOATING SYSTEM ONLY. IN NO EVENT WILL KING TECHNOLOGY, INC. BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL, SPECIAL OR PUNITIVE DAMAGES RESULTING FROM ANY CAUSE. King Technology, Inc. will not be liable for any product misuse, incorrect water balancing, allowing the bromine residual to drop below standards

[All Text on this page is optional.]

4/16/13

provided above, not cleaning the spa filter when needed or improper circulation time per day.

This warranty is intended for the consumer only. This warranty is product specific; substitutions will not be honored. Limit one refund per household. Theft, diversion, reproduction, transfer, sale or purchase of this offer form is prohibited and will void refund. Submissions from groups or organizations will not be honored or acknowledged. Names and addresses may be verified. Use of fictitious names or addresses could result in federal claims of mail fraud. Offer void where restricted or prohibited by law. King Technology is not responsible for late, lost, mutilated, illegible, misdirected or postage due requests. King Technology reserves the right to rescind this offer. This offer may not be reprinted without the express written consent of King Technology.

Refer a Friend to FROG {Program} {and {get} {earn} a free Pool Frog Mineral Reservoir}. See side panel.

Here's how it works:

1. You tear off the enclosed program form and give to your friend.
2. They purchase a {Pool Frog Mineral Reservoir and 6 Chlorine Cartridges} {Spa Frog Floating System} and submit the form and their receipt to King Technology, Inc.
3. Your friend receives {a free} {Cycler} {FROG equipment} {\$x Rebate and a money back guarantee} directly from King Technology
4. You receive a free {Pool Frog Mineral Reservoir} {Frog Bam} {Frog Leap Pool Wake Up!} directly from King Technology.

Help your friend enjoy the FROG benefits that you experience every day.

The free gift is our way of saying thanks for making FROG your choice for {pool} {spa} water care and spreading the word to others!

Give your friend the gift of FROG!

If you appreciate FROG Minerals – refer a friend to either Filter FROG or the Spa Frog Floating System and we'll send you a free Pool Frog Mineral Reservoir

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FROG Floating
MINERAL RESERVOIR
in EPA Letter Dated:
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On Spa Frog Retail Cartridge Kit Package

Refer a Friend to Frog
\$10 Rebate and Guarantee
Free Mineral Cartridge \$x.xx Value

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To Spa Frog User: Cut out this panel, fill in your information under "My Name" and give to your friend who owns a spa. When they purchase a Spa Frog Floating System, you get a free Spa Frog Mineral Cartridge! Program ends x-x-xx.

To Friend: When you purchase a Spa Frog Floating System, fill in your information under "My Friends Name" and mail with your original receipt to King Technology, Inc. 530 11th Ave S. Hopkins, MN 55343. You will receive a \$10 rebate and a 90 day money back guarantee! Must be postmarked no later than x-x-xx.

Refer a Friend Offer; This offer is intended for new customers of Spa Frog only. You cannot refer yourself, nor can you refer someone already using this product. Limit x referrals per 12 consecutive month period. This offers is not transferable or redeemable for cash.

\$10 Rebate Offer: May only be used with the Refer a Friend or Spa Frog Money Back Guarantee offer. Both Offers; Must be residents of the United States and 18 years or older. Offer may expire without prior notice. Determination of program eligibility as well as any exceptions are at the sole discretion of King Technology, Inc.

98/69

[All text on this page is optional]

How To Use: {Simple Instructions for spa cartridge used in Floating System}

- Simply snap out and snap in the pre-filled mineral cartridge.
- Set reminder dial to the four month replacement date.
- For the blue Pool Frog Mineral Reservoir – set wide open on setting #6.
- Insert cartridge into floating holder openings.
- Easy top loading access makes it a snap to replace the mineral cartridge in the holder.
- No assembly required.
- By dropping it inside your filter cartridge, filter well or skimmer, Pool Frog Mineral Reservoir works with no electricity and no hassles for four full months.
- Set it and forget it for up to 4 months.

Other Copy

- Simple spa care
- Insanely Cool Spa Care
- Patented Get Down™ Spa Care Technology
- Patented Get Down Mineral™ Spa Care Technology
- Get Down Mineral Technology
- Get Down Mineral Pool and Spa Care Technology
- Get Down Mineral Spa Care Technology
- Get Down Pool and Spa Care Technology
- Get Down Spa Care Technology
- Get Down
- Reduces sanitizer demand
- For bromine & chlorine
- Safe for all spas
- Enjoy softer, cleaner water
- Enjoy clearer, cleaner spa water with the help of minerals
- Contains minerals that help to control bacteria while reducing sanitizer demand
- When combined with proven chemistry, you'll experience spa water that is clearer, cleaner and softer to the touch
- Works with bromine and chlorine
- Fits most filters
- Simple installation
- One-piece design
- Compatible with non-chlorine shock
- Installation is easy
- Insert into filter cartridge, in filter well or in skimmer.
- Lower your chlorine or bromine level to 1.0 ppm
- Replace at least every 4 months or when draining and refilling spa.
- After that time, even if upon shaking, you hear the spent media inside, it is no longer effective and must be replaced.
- Product is effective up to 4 consecutive months or when draining and refilling the spa.
- After following the simple spa care start-up program located in the back of your spa care guide, it's time to add the Pool Frog Mineral Reservoir.
- Test pH; Total Alkalinity, chlorine/bromine levels regularly with test strips. Shock after each use or at least once a week with chlorine or non-chlorine shocks.
- It is normal for a small amount of granules and dust to become dislodged from the mineral cartridge during shipment.

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[All text on this page is optional]

8/9/64

- For use only with Softub.
- This product to be used only with Softub
- See your Softub manual for complete operating instructions
- Patented Mineral Spa {Sanitizer} {Disinfectant}.
- Mineral Spa Care is developed with technology from Frog
- Fits Caldera Spas

Frog's Got Your Back with:

- Strong consumer benefits
- No price increase on Spa Frog products
- Free POP materials
- No price increases on Mineral Reservoirs and steps to grow your business
- By absorbing the high cost of chlorine to help protect you and your customers
- Pool Frog programs
- Spa Frog programs
- Tools to grow your business
- Strong profits
- EPA registered minerals

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Minerals make all the difference {for pools} {for spas}

Consumers want to make a difference.

Get Down chlorine or bromine use up to 50%* {which exceeds consumer expectations}

Get Down work {maintenance time} {for more fun and relaxation}

Get Down problems like faded swimsuits

Get Down long term damage to pool surfaces and equipment

Minerals utilize the Frog Get Down Mineral Technology

The Get Down Mineral Technology for spas means up to 50% less bromine use* with all the same "Get Down" benefits of less work, preventing skin irritation and easier on the spa surface.

Copy on rebate coupons

Frog \$###.## Value with X# mail in coupons {and free Frog Test Strips (\$###.## value)}

Now a clear way to see the Frog mineral value

For use with Pool Frog and Spa Frog products

Designed for low chlorine or bromine measuring down to 0.5 ppm

One bottle handles pools up to 15,000 gallons for 90 days. Two bottles handle pools from 15,000 to 30,000 gallons for 90 days.

Purchase MUST include 1 Frog Bam from any participating store.

Pack contains 6 Bac Pacs and 1 Mineral Reservoir.

Minerals cut chlorine use up to 50%

Pool Frog offers more fun with less work.

Purchase MUST include 1 Mineral Reservoir and 6 Bac Pacs from any participating store

[All text on this page is optional]

50/64

Easy Installation. No Assembly Required.

Let us Dissect This Frog For You

- Openings in cap for additional water flow
- Reminder dial for replacing every 4 months
- Scooped louvers draw water in and through minerals inside
- Bottom louvers allow clean water out
- Welded rod helps prevent breakage

Pool Frog Mineral Reservoir works together with very low levels of bromine or chlorine to control bacteria, condition the water and help neutralize pH.

Now easier to install

- Set reminder dial to the four month replacement date
- Insert Pool Frog Mineral Reservoir into filter cartridge, in filter well or in skimmer
- Lower your bromine or chlorine levels to as low as 1.0 ppm*
- Replace Pool Frog Mineral Reservoir every 4 months or when draining and refilling spa

Reminder Dial for easy-to-remember 4 month replacement
Set for 4 mos.

Minerals offer

Frog Offers More Relaxation

- Simply a more enjoyable spa experience
- Permanent rod fits almost all spas
- Welded rod helps prevent breakage
- Inserts easily into filter
- Also works in most skimmers or filter wells

US Patent # and other US Patents and Foreign Patents pending

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in EPA Letter Dated:

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53735-11

[All text on this page is optional]

5/1/64

Frog Mineral Systems Work Wonders {One-ders} {1-ders}
Frog is {the one} {a wonder}
Wonders {One-ders} {1-ders} {The one} for your water
Wonders {One-ders} {1-ders} {The one} for your workload
Wonders {One-ders} {1-ders} {The one} for you wallet

Adopt a Frog for worry free water
Adopt the Frog Technology
Take Frog home and experience softer water with a crystal clear shine
Make Frog a part of your family
When Frog's a part of your family you relax and enjoy your {pool} {spa} more
Let Frog keep your family happy with crystal clear water that takes less time to maintain
Frog does the work so you can enjoy more time with your family
When you adopt a Frog you adopt more than a technology. You adopt a better, easier, more fun {pool} {spa} environment.
Send in your adoption (warranty) card today!

Frog-tastic Water – Frog-tastic Fun!
Frog minerals reduce {chlorine} {bromine} use up to 50% for Frog-tastic water.
Frog-tastic water means softness that's easier on your skin, less odors and a crystal clear shine.
Frog-tastic fun means less work with long lasting prefilled replacements and less pH monitoring.

Frog-friendly
Frog-ability
Frog-simple
Frog-mineral
Frog-complete
Frog-attitude
Frog-attitude
Frog-support

Hybrid water care that's fun and easy
Hybrid water care that's Frog-tastic
Hybrid water care that's Frog-tastically fun

With hybrid water care, minerals reduce {chlorine} {bromine} use while maintaining a clean, clear {pool} {spa}
The 2 in 1 water care system that reduces {chlorine} {bromine} use up to 50%
In Frog's Hybrid System, minerals do a lot of the work so you need less {chlorine} {bromine}

Frog minerals {make it possible to} reduce {chlorine} {bromine} use like hybrid cars {make it possible to} reduce gas
Frog minerals with less {chlorine} {bromine} make {pool} {spa} care a snap so you work less and have more fun

Frog knows water – Frog knows fun
The mineral system experts
Frog – the water experts
Frog – the mineral system experts
Frog is an expert at clean clear water with 50% less {chlorine} {bromine} and less work
Frog knows you want to keep your water clean and clear and your life easy

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53735-11

[All text on this page is optional]

52/64

Frog knows how to do the job so you work less and enjoy your pool, spa more
Enjoy a Frog water environment
Clean clear water without the work and worry just as Frog intended
Just as Frog intended
Frogs need {want} {like} {thrive in} clean water – so do pools and spas
Let Frog turn your {pool} {spa} into a water oasis
Frog minerals reduce {chlorine} {bromine} use up to 50% to turn your {pool} {spa} into a water oasis.

Mineral System{s}
Mineral Hybrid System{s}
Mineral Water Care System{s}
Mineral Hybrid Water Care System{s}

Frog simple
Great water care made Frog simple
Less {chlorine} {bromine} through minerals
Frog it and leave it
Frog... in control
Frog... cruise control for your {pool} {spa}

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Make your chlorine {bromine} last twice {2X} {two times} as long as {longer than} traditional {normal} {standard} pools {spas} with Frog minerals and only 0.5 ppm {1.0 ppm} chlorine {bromine} levels.

Maintaining 0.5 ppm {1.0 ppm}, chlorine {bromine} lasts twice {2X} {two times} as long {longer} with Frog over traditional {normal} {standard} pool {spa} care methods.

Maintaining 0.5 ppm {1.0 ppm} rather than the standard 1.0 ppm {2.0 ppm}, chlorine {bromine} lasts twice {2X} {two times} as long {longer} with FROG.

Compared to the traditional {normal} {standard} {minimum recommended} chlorine level for pools, FROG minerals make chlorine last twice {2X} {two times} as long {longer}.

Frog Minerals double the life of your chlorine {bromine} over pools {spas} on chlorine {bromine} alone.

With Frog Mineral Systems, chlorine {bromine} lasts twice {2X} {two times} as long {longer} than pools {spas} on chlorine {bromine} alone.

With Frog Mineral Systems you can go twice {2X} {two times} as long {longer} between chlorine {bromine} changes compared to pools {spas} on chlorine {bromine} alone.

With Frog in, you can get twice {2X} {two times} the life out of your chlorine {bromine} than {traditional} {normal} {standard} pools {spas} at higher chlorine {bromine} levels.

Frog uses only half the chlorine {bromine} of {traditional} {normal} {standard} pool {spa} care methods.

The Frog Mineral System allows your chlorine {bromine} {chlorine or bromine} to last {twice} {2X} {two times} {as long} {longer} as {traditional} {normal} {standard} {minimum recommended} levels.

The Frog Mineral System allows one-half the chlorine {bromine} {chlorine or bromine} to be used compared to {industry standards} {{traditional} {normal} {standard} pool care methods}.

[All text on this page is optional]

53/64

Put Frog in, take half the chlorine {bromine} out that {traditional} {normal} {standard} pools {spas} maintain.

With Frog minerals cutting chlorine {bromine} use by 50%, that means your chlorine {bromine} lasts twice {2X} {two times} as long {longer}!

The Frog Mineral Hybrid System uses minerals to extend the life of your chlorine - up to twice {2X} {two times} as long {longer} than pools on chlorine alone.

The 2 in 1 {two in one} water care system that helps chlorine {bromine} last twice {2X} {two times} as long {longer}.

Frog provides the 1-2 {one-two} punch: {minerals and 50% less chlorine} {with chlorine that lasts twice {2X} {two times} as long {longer}}.

Minerals and 0.5 ppm chlorine {destroys} {kills} bacteria allowing you to use up to 50% less chlorine.

Minerals and 1.0 ppm bromine {destroys} {kills} bacteria allowing you to use up to 50% less bromine.

Using minerals and up to 50% less chlorine {bromine} means {savings to you} {less work and more savings}.

Minerals and 0.5 ppm chlorine {1.0 ppm bromine} is all you need. Otherwise you use twice {2X} {two times} of what you don't want - chlorine {bromine}!

With Frog Mineral Systems, chlorine lasts twice {2X} {two times} as long as {longer than} the industry standards {{traditional} {normal} {standard} {minimum recommended} {higher} levels.} {the standard 1.0-3.0 ppm chlorine level.} {{traditional} {normal} {standard} pools.}

With Frog Mineral Systems, bromine lasts twice {2X} {two times} as long as {longer than} the industry standards {{traditional} {normal} {standard} {minimum recommended} {higher} levels.} {the standard 2.0-4.0 ppm bromine level.} {{traditional} {normal} {standard} spas.}

To help chlorine last 2X longer use this Pool Frog Mineral Reservoir with the Pool Frog Bac Pac.

Don't forget FROG Leap Pool Wake Up! for spring openings and FROG Leap Pool Hibernation for fall closings!

Use Frog Leap Pool Wake Up! for optimal performance of your {FROG Leap } {Pool FROG System}

Use Frog Leap Pool Hibernation {for a 1-2 Winterizing Punch} {to prepare for a smother spring start-up}

Always on guard
On Guard
On Duty
What's living in your pool?

Don't share your pool with {common bacteria, bugs, pests you don't want}
Your pool party has a long list of unwanted guests.
Don't let undesirables crash your pool party

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53735-11

[All text on this page is optional]

54/64

Frog dial-a-sure
The lower chlorine system
Worry about your water? Go Frog for no worries.
Frog on duty
Frog never sleeps

Frog is always in the pool
The FROG System+ is always working to protect you and your family
Always in the pool--always on duty.
Don't get in the water without the Frog.
Frog twist and shout

Dial-a-Frog
Dial-a-Clear Pool
Dial-a-Clean Pool

Toss the FROG System+ in – bacteria goes out
Plop in the FROG System+ - {kick} bacteria out!
Frog works
With Frog, you know it's {clean} {clear} {sanitized} {fresh} {sparkling}

Your Pool needs Frog
Pool water needs Frog
{Pop-up, splasher, small} pools need Frog
Frog System+ in – bacteria out

Dirty water needs Frog
Frog gets it clean, keeps it clean.
FROG keeps bob bob bobbin along
FROG - Always In! – Always Clean {Clear} {Sanitized} {Fresh} {Sparkling}!
FROG - Always Cleaning So You Don't Have to!

KNOW your Pool is Clean {Clear} {Sanitized} {Fresh} {Sparkling}!
Toss it in. Leave it in.
Great Ball-O-Clean!

{Pop-up, Splasher, Small} Pools Need Cleaning Too!
Toss it in. Clean it up!
Finally! Small Pools Get Big Clean!

The easiest way to keep small pools {clean} {clear} {sanitized} {fresh} {sparkling}
Small Pools Need Big Clean!
Small Pools – Big Clean!

It's like having your own 24/7 pool service! Just dial the number to your pool size and toss it in the pool. When the FROG System turns over and stays over, simply replace the chlorine and toss it back in. It's that easy!

{A} {One of the} leader{s} in reduced-chlorine mineral water care.
Simply toss it in for weeks of worry-free water!

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5/1/64

[All text on this page is optional]

Dual-Core system for maximum water clarity and cleanliness!
Minerals and low levels of Chlorine for an ultra clean
Never swim alone – take Frog with you
Clean {Clear} {Sanitized} {Fresh} {Sparkling} water starts with Frog

Fresh, sparkling water starts with FROG that kills harmful bacteria with up to half the chlorine.
Need Clean {Clear} {Sanitized} {Fresh} {Sparkling} Water? Get Frog
Don't get in the pool without Frog

For Clean Pool Water You Need Frog
Twist and Toss
Live in pool cleaner

Live in pool help
Live in pool care
Live in caretaker

{And} Minerals reduce chlorine costs to {just} pennies a day
With minerals chlorine use costs only pennies a day
FROG - Keep it in – Keep it clean
FROG keeps {cleaning} {sanitizing} {working} so you don't have to

FROG is a lazy man's best friend
Frog in – water {clean} {clear} {sanitized} {ready to go}
FROG is a pool caretaker

Satisfaction Guarantee – Like it or your money back.
Never swim without a buddy!
{The lazy man's best friend for} clear, clean water

Your partner in sanitizing pop up pools
The pairing of minerals and chlorine continuously maintains clear, clean water for weeks.
Clear, clean and easy {way to have} soft water
Put your pool in good hands!

You need a buddy that's always lending a hand to keep your water clean and clear.
{Especially made} for {pop up} {splasher} {small} {swimming} pools
Mom's love {it} {Pool Frog Mineral Reservoir}

The Frog System+ keeps {small} pools healthy
The Clean Machine
The Small Pool Must for Bacteria that Disgust!
The ESSENTIAL Small Pool Sanitizer

Kills Bacteria. Clears the Water.
The All-in-One Small Pool Sanitizer

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53735-11

5/6/69

[All text on this page is optional]

Cleaner water - Round the clock
The easy way to give smaller pools a bigger clean

Provides a Clean Zone in your small pool
Finally, an easy way to keep your small pool clean and clear
Protect your small pool from bacteria all day and night.
{The Frog System+ is} Always on guard {against bacteria} {- Always!} {in your {small} pool}
The Frog System+ is guarding your pool against bacteria so you don't have to

Keeping an eye out for bacteria 24/7
{The Frog System+ is} On guard in your small pool
Your front line against bacteria in your small pool
Your blockade against small pool bacteria

The automatic small pool sanitizer
The always-on small pool sanitizer
When {it} {flips} {rolls over} replace this {bottom} {half} {recharge} {yellow} {blue} {chlorine} {cartridge}
Flips over when chlorine cartridge is empty and needs to be replaced.
Replace {this} {bottom} {half} {recharge} {chlorine} {cartridge} when {flipped} {rolled} {over}
{viewable} {seen} {bottom showing}

Chlorine: Replace when {this} {chlorine} half floats up
{This is} not a toy.
Visit kingtechnology.com to find a stocking retailer
Minerals: Lasts 6 months

Turn your chlorinator into a mineral system
For {Hayward®} {Rainbow®} chlorinator users
The experience of mineral pool care without an installation

Turn your {Hayward®} {Rainbow®} {chlorinator} into a FROG {mineral system}!
Improve your water quality with precise chlorine output
No more touching chlorine tablets

No need to haul heavy buckets of chlorine
No guessing how much chlorine to use
Better than {chlorine} buckets!

{Ditch} {Buck} {Leap FROG} the {chlorine} buckets!
No more {peak and valley} {yo-yo} {up and down} {chlorination} {chlorine levels}
Get more from your {Hayward®} {Rainbow®} chlorinator by converting to FROG!

Chlorinators are old school – {it's time for} {upgrade to} FROG!
Experience a better pool care method for no more money
Reduced chlorine {solution} {technology} for {Hayward®} {Rainbow®} chlorinator users

Clean water with up to {1/2} {half} {50%} the chlorine*
{FROG} {We} keep it clean with up to {1/2} {half} {50%} the chlorine*
Frog {helps} keep{s} it clean with up to {1/2} {half} {50%} the chlorine*

Kills bacteria with up to {1/2} {half} {50%} {less} {the} chlorine*
Kills microorganisms with up to {1/2} {half} {50%} the chlorine*

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under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the use of registered under label
53735-11

57/69

[All text on this page is optional]

{Destroys} {Kills} {Eliminates} harmful bacteria with up to {1/2} {half} {50%} the chlorine*
Frog patrols your pool with up to {1/2} {half} {50%} the chlorine*
Keep {it} {your pool} clean with up to {1/2} {half} {50%} the chlorine*

Fights bacteria with up to {1/2} {half} {50%} the chlorine*
Battles bacteria with up to {1/2} {half} {50%} the chlorine*

{Patented technology} for {pop-up} {splasher} {smaller above ground} {easy set} {quick set} {frame}
{metal frame} {oval frame} {ultra frame} pools up to {12'} {15'} {16'} {18'} {diameter} {3000} {4000}
{5000} {6000} {gallons} {gal.}

Perfect for {keeping} {pop-up} {splasher} {smaller above ground} {easy set} {quick set} {frame}
{metal frame} {oval frame} {ultra frame} pools {clean} {disinfected} {clear} – {1 FROG} up to {12'}
{15'} {16'} {18'} {diameter} or {3000} {4000} {5000} {6000} {gallons} {gal.}

{Patented} {Proprietary} {Exclusive} {pop-up} {splasher} {smaller above ground} {easy set} {quick
set} {frame} pool {bacterial} {protection} {technology} – {1 FROG} up to {12'} {15'} {16'} {18'}
{diameter} or {3000} {4000} {5000} {6000} {gallons} {gal.}

{Designed} {Made} specifically for use in {pop-up} {splasher} {small above ground} {easy set} {quick
set} {metal frame} {oval frame} {ultra frame} {frame} {set} pools {between} {1000} {2000} gallons {up
to} {16"} {18"} in diameter {or} {and} {5,000} {6,000} gallons.

Large pool technology {brought home to any backyard} {now available for} {pop-up} {splasher} {small
above ground} {easy set} {quick set} {metal frame} {oval frame} {ultra frame} {frame} {set} pools.

Easy-to-follow instructions inside the box.
3 {easy} steps to keep your pool clean:
Clean pool in 3 {easy} steps

Keeping {your} {the} pool clean {is as easy as 1-2-3} {has never been so easy}
{Destroy} {Kill} {Eliminate} {harmful} bacteria {and prevent algae} in 3 easy steps
1 - Connect {algaecide}, {mineral and chlorine together} {upper and lower} halves and {select} {twist
to} {appropriate} setting on Frog {based on pool size and use}
2 – {Place} {Toss} {Flip} {Throw} Frog in pool

{3 - When Frog} {flips} {rolls} {over} {upside down}, {he's telling you it's time to} {change} {replace}
{bottom half} {the chlorine recharge} {cartridge}
3 - Frog {flips} {rolls} {over} {upside down} when it is time to {change} {replace} {bottom half}
{chlorine recharge} {cartridge}
3 - Change cartridge when {Frog flips} {flipped} {rolls over}
3- {Flips} {Rolls} {over} {upside down} when chlorine {recharge} {half} {cartridge} needs replacing

Set, float, {flip} {rolls over}, replace {chlorine} {half} {recharge} {cartridge}
Attach {cartridge} {recharge}, select setting, float, {flip} {rolls over}, {replace cartridge} {recharge}
{recharge}
{Attach} {Connect} and set
Re-connect and Re-Set

Float{s} till {flipped} {it flips} {it rolls over}
Replace {chlorine} {cartridge} {recharge} {half} {bottom}

Silver {smart} {ion} {mineral} technology plus low levels of chlorine

King Technology: Pool Frog Mineral Reservoir EPA Reg. No. 53735-11

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53735-11

Label Version March 15, 2013

58/64

[All text on this page is optional]

Silver ion {minerals} {mineral technology} work{s} {in conjunction} {partner} with {low levels of} chlorine to {kill} {eliminate} {destroy} {inhibit} harmful bacteria

Silver ion {minerals} {mineral technology} {kill}{s} {eliminate}{s} {destroy}{s} {inhibit}{s} bacteria{ } growth when used in conjunction with low levels of chlorine

When used in conjunction with low levels of chlorine, silver ion {minerals} {mineral technology} {kill}{s} {eliminate}{s} {destroy}{s} harmful bacteria {and inhibit{s} its growth}

Silver ion {boost} {action} {FROG} reduces chlorine use by 50%

Silver ion {boost} {action} {FROG} {needs} {works with} {equals} {=} 50% less chlorine

Silver ion {boost} {action} {FROG} keeps your pool clean with up to {1/2 the} {half the} {50% less} chlorine.

Silver ion chlorine technology

Silver smart chlorine reduction technology

Silver ion mineral {plus} {+} replaceable chlorine

Advantages of {using} less chlorine:

Advantages of using up to {1/2} {half} {50% less} {the} chlorine:

Up to {1/2 the} {half the} {50% less} chlorine means:

Increased enjoyment with:

{Less} {Reduced} chlorine {smell} {odor} {aroma}

Improved water {feel} {softness}

Water feels softer

Spa-like softness

Soft water feel

Crystal clear shine

Crystal clear water

Sparkling clear water

You buy the pool. {We} {FROG} keep{s} it clean.

King Technology, Inc. – Improv{ing} {ed} {your} {pool} {spa} water

King Technology, Inc. – the {pool} {spa} water {experts} {patrol} {professionals}

{Chlorine} {Recharge} {Cartridge} {Bottom half} Lasts up to 3 weeks! (see instructions inside for details)

{Frog Minerals} {Top half} last{s} up to 6 months or a full season! (see instructions inside for details)

{1 – 2 punch} {Dual action} {2-Part action} against {harmful} bacteria

Fighting together to protect swimmers from {harmful} bacteria

{2-part} {Dual} action gives bacteria a 1-2 punch

Kill{ing}{s} bacteria with a 1-2 Punch

FROG {sanitizes} {does the job} {keeps it clean} for pennies a day!

The next best thing requires {100%} (a lot) more chlorine!

If your chlorine level is {2.0} {3.0} ppm, using FROG can cut your use {70%} {80%}

Self-Contained {Dual Action} {Reduced Chlorine} Pool {Care} {Sanitizer}

When it starts to turn you have a day or two before it's empty

Slowly {flips} {rolls} over to let you know it's almost empty

Flips over when {chlorine {cartridge} is} empty

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53735-11

59/64

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Early warning system built in as it takes a few days to completely {flip} {roll over}
Dual Action
{Silver Ion} Minerals + low levels of chlorine
{Silver Ion} Minerals + controlled levels of chlorine

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Less chlorine hassle
Saves {you} money
No-touch chlorine cartridge
Up to 18 ft. or 6,000 gallons
Up to 15 ft. or 5,000 gallons

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{For {pop-up} {easy set} {do it yourself} pools} {12 to 18} {18 to 21} {feet} {foot} {in} {diameter;} {2000
to 5000 gallons} {5000 to 10,000 gallons}
Stays clean with consistent low-levels of chlorine
{Tells you} {Let's you know} when it's empty
Complete pool care system
Conditions the water for spa-like softness

Top half lasts up to 6 months (or one season)
{Bottom half} {Chlorine} lasts about 4-6 weeks in pools up to {3000} {4000} gallons with average use
or about 2-4 weeks in pools up to {5000} {6000} gallons.

Additional replacement {chlorine} cartridges sold separately
Keeping the Pool clean has never been so easy

Align arrows, twist and set for your pool size. {Set the cartridge per the} {See chart in} manual
Tie off in pool away from skimmer. Product will tip over when empty.
When empty, twist off chlorine cartridge (and recycle). Attach replacement cartridge.
Attach new {blue} {yellow} chlorine cartridge to {gray} {green} {blue} mineral cartridge and set back
in pool.

Low Chlorine vs. Too Much Chlorine
Chlorine is by far the leading disinfectant used to kill bacteria in swimming pools because it works.
But it needs to be controlled as chlorine in too high a dose can be a problem.

Keeping the right amount of chlorine in the pool promotes comfort and enjoyment.
The Pool Frog Mineral Reservoir's patented design manages chlorine levels in two ways.
First, it combines low-levels of chlorine with another anti-bacteria agent – {silver ion} minerals.
Together, they destroy bacteria.

Secondly, the patented interior design of the System controls the flow of chlorine to eliminate the
too-high, too-low situations.
The result is consistent sanitation with up to half the chlorine.

{Click} {Twist} on {to replace}, {click} {twist} off {chlorine} {cartridge} {when empty}
Easy to twist off the empty cartridge and twist on a new one
{Replacement} {Chlorine} Cartridges {designed for Pool Frog Mineral Reservoir}
{Clean} {Clear} water the easy way!

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It's FROG but a leap ahead
Mineral pool care that's a leap ahead
Leap ahead with FROG Leap
Leap into summer

53735-11

60/69

[All text on this page is optional]

Specially designed for Frog Leap mineral system users.

Flippin' amazing technology turns {old fashioned} {pool} {water} care upside down
{Frog} {Kills} {Destroys} {Gets rid of} bacteria {two} {2} ways {with} {silver ion minerals} {mineral ions} {minerals} {and} {plus} {low levels of} {less} {chlorine}*.
In fact, it's half as much chlorine.

{Friendly} {Easy} {pop-up} {mineral} pool care
It's flippin' {amazing} {exciting} {easy} {easy to use} {profitable} {cool} {awesome} {friendly} {fun} {original} {one of a kind}
THE {pop-up} {mineral} pool technology that cuts chlorine use in half*
Low - and - slow chlorine release cartridge (lasts 3-4 weeks)

Float{s} {and} {&} Flip{s} {technology} tells {user} {you} when {it's empty} {to replace the chlorine cartridge}
Mineral cartridge releases ions while chlorine cartridge releases low (0.5 ppm) levels of chlorine
Visual{ly} {out indicator} {tells you} {at a glance} {when} {the cartridge needs replacing} {it's empty} {it's time to replace}

The {no-mess, no-guess, no-stress} pool care for pop-up pools featuring FROG's {innovative} technology.
Prevents smelly odors and bleached {swimming} suits

No more worries about the proper dosage or handling smelly, bulky chemical{s} {buckets}. Frog Mineral Reservoir {simply floats in the pool} keep{s} {ing} the water sparkling clean, clear and soft for weeks; then flips over when {the chlorine is} empty. {Simply replace with a new chlorine cartridge.} {Saves} {Less} work and {up to 50%* less chlorine} {saves money}! It's that easy!

Some floaters were not built with the {adjustability} {technology} to precisely meter chlorine so they {tend to} {sometimes} dispense higher chlorine levels than is needed.
Not all floaters are built with the {technology} {adjustability} to precisely meter chlorine, which may result in the {dissension} {dissolution} {dissolving} {using} {of} more chlorine than is needed.
Standard floaters come in different sizes with different output abilities which can mean one pool has too much chlorine while another doesn't have enough.

{And} {Frog} leaves {your} water soft, clean and silky
It's patented. It's EPA registered
{Patented} minerals reduce chlorine use up to 50%*
{Helps} {you} ensure{s} the pool {is always} {stays} {sanitized} {clear and clean}

Frog works hard for you!
Clean & Clear the easy way
Clean, Clear & Easy
{Complete} {Clear} {Clean} Water Solution

Figure A – Align arrows
Figure B – Rotate to set
Figure C – Initial Setting Chart
{The Chlorine Cartridge} Lasts 3-4 weeks
{It's} New
This side up

ACCEPTED
with COMMENTS
in EPA Letter Dated:
APR 10 2013

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No.

53735-11

62/64

[All text on this page is optional]

Contents: 12 Chlorine Cartridges
Retailer: Pull here to remove

Scan to learn more about FROG

Made in the U.S.A.

Distributed by Arch Chemicals, Inc. P.O. Box 724438 Atlanta, GA 31139-1438

"Cool" sanitizing pool care – minerals and less chlorine!

The latest up to date innovative high tech cool pool technology combines minerals and low levels of 50% less half the chlorine

Minerals benefit you with:

- Clean, clear, pH balanced water
- Forget about faded swimsuits or harsh smelly odors
- Silky soft, sparkling clear water

Minerals last all summer^

^ FROG minerals last 6 months or one pool season whichever is shorter
{The FROG Mineral system+} Minerals scrub bacteria away

Yellow blue cartridge side up? It's time to replace your chlorine cartridge.
Blue Green Gray cartridge side up? FROG is working to sanitize your pool.
Water looks inviting and feels even better
Less cost to maintain the pool

More time for what really matters fun!
Hey! easy mineral sanitizing quality pool care
Pool care made easy with sanitizing minerals mineral sanitizing ions
Sanitizing mineral pool care

Hey! our new cool pool care with minerals
Uses essential minerals to sanitize and keep pH neutral
Uses sanitizing mineral ions and keeps the pH neutral

Bacteria fighting killing sanitizing mineral ions and low levels of half the 50% less chlorine
protect your family and leave your water looking sparkling clear and clean

Bacteria fighting killing sanitizing mineral system+ protects your family and leaves your water looking sparkling clear and clean

Use only chlorine? Not anymore! Bacteria killing Minerals destroy bacteria reducing chlorine use up to 50%.*

Plop it in – wait til it flips
Plop and flip
Plop it in until it flips

Plop it back in the pool
When it flips, it's time to replace the chlorine cartridge
Remove the empty & replace twist on a new chlorine cartridge
Hey! less work
Hey! less chlorine
Hey! less money

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{Minerals mean less is more} {With minerals less is more} – less chlorine and more benefits
{Spend} More or less? It's your choice.

- Spend less time working on your pool
 - No adding chlorine daily or by hand
 - Long lasting cartridges are easy to replace
- Spend less money on "fix-it" chemicals

- Mineral protection helps prevent problems
 - Less chlorine use equals less chlorine cost
- Use less chlorine than standard pools
 - Water feels softer with less chlorine
 - Prevents bleached suits and smelly odors

Minerals – the insurance policy against a green pool
Minerals keep working even when the chlorine {level drops} {is empty}
Minerals help keep the pool from turning cloudy

Bacteria doubles every 20 minutes – the Frog System+ {stops bacteria in its tracks} {keeps bacteria at bay} {ends the bacteria growing cycle}

{Better} {Amazing} {Brilliant} {Improved} {Enhanced} {Advanced} {Quality} {First Rate} {First Class} {Excellent} {Superior} Water – pH neutral – sparkling clear

Less {chlorine} {work} {money} {swimsuit {fading} {bleaching}} {monitoring} {worries} {hassles} {bromine} {time} {cost} {daily {duties} {dosing} {odors} {harshness} {over dosing}

More {fun} {enjoyment} {relaxation} {softness} {pleasure} {satisfaction} {gratification} {leisure} {recreation}

Stop! Do not mix with other products or dissolve before use.
Read precautions / first aid statements on label {before using}
Call 7 days a week (8am to 10pm Eastern Time) with questions concerning pool water care
Helpline: Call {866-HTH-POOL} {866-484-7665} toll free or visit hthpools.com
In case of emergency call: 800-654-6911
Customer call center: 800-455-4311

{Nothing is easier than} {You can't mess up} plop {in}
{Visit us at} {Learn more at} HeyCoolPool.com
{From} Hey! Cool Pool

{Contains} {Includes}: 1 {FROG} Mineral {Cartridge} and 1 {Replacement} Chlorine Cartridge
Complete 2 Part Cartridge System {Inside} {Included} {- Minerals and Chlorine}
{Contains} {Includes} 2 cartridges {(minerals and chlorine)} for 1 complete system
FROG is a complete system of 2 cartridges {- Minerals and Chlorine}
Duo system {of} mineral{s} {+} {and} chlorine {cartridges}

Frog fresh {mineral clean pool care} {clean and easy}
Fresh {mineral} {pool} {spa} {water} care
Refresh your {pool} {spa} with Frog

Frog fresh water is clean water
Freshen up your {pool} {spa} {bottom line} with Frog
No one says fresh like FROG

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Frog {keeps water} {does} fresh
Frog makes fresh – {the} mineral pool care for your customers and your business
Fresh ideas {to help grow your business} {only from Frog}

Fresh new {products} {business strategies} bring in new customers while maintaining old customers
With Frog you know {it's} {your {water's} {pool's} {spa's}} fresh
The fresh {alternative to standard water care} {way to good clean fun}

Think Fresh – Think Frog
Think Frog – Think Fresh
Keep your water Frog Fresh
Don't dump it – revive it!

Water starts fresh and stays fresh with Frog
You don't need a new pool, you need Frog {Fresh}
{Frog keeps your pool} {spring} fresh all summer long

Restore your water with Frog {Fresh}
Revitalize your {backyard fun} {business} with Frog {Fresh} Mineral Pool Care
C'mon in, the water's {fresh} {clean} {clear} {inviting} {fine}

Flip {plop} Fresh
Flippin' {Frog} Fresh
Fresh as a Frog

So fresh, so clean, so clear {- Frog}
So clean, so clear, so fresh {- Frog}
The universal language of fresh - Frog

More {fresh} {refreshed}
Frog happiness
Fresh, recycle, refresh

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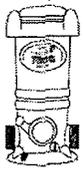
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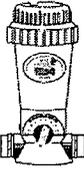
69/69

[Pool Frog Mineral Reservoir – Family of Products]
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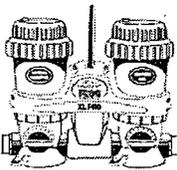
THERE'S A FROG® FOR YOU!



POOL FROG®
for pools up to
95,000 gallons



POOL FROG®
for pools up to
40,000 gallons



POOL FROG®
XL PRO



SPA FROG®
Floating System



FILTER FROG®



FROG®
Test Strips for
pools & spas

PRODUCT FOR EVERY POOL

POOL FROG®
for pools up to
40,000 gallons

POOL FROG®
for pools up to
95,000 gallons

POOL FROG® XL PRO
for pools up to 40,000 gallons

FROG BAM® 90-Day
Algae Protection

FROG® Test Strips
for pools and spas

PRODUCT FOR EVERY SPA

SPA FROG® In-Line Mineral System
Built in by the
Spa Manufacturer
for New Spas

SPA FROG® Floating Mineral System
Floats in Any Spa

FILTER FROG®
fits in the
Filter Core

U.S. Patent Numbers: D460,385; D450,664; 6,817,892; 6,383,507; 6,500,334; 6,551,609; 6,652,871; 7,014,780 and other U.S. and foreign patents pending.

Manufactured in the U.S.A. by KING TECHNOLOGY, INC.
530 11th Ave. So., Hopkins, MN 55343
800-222-0169 • www.kingtechnology.com



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